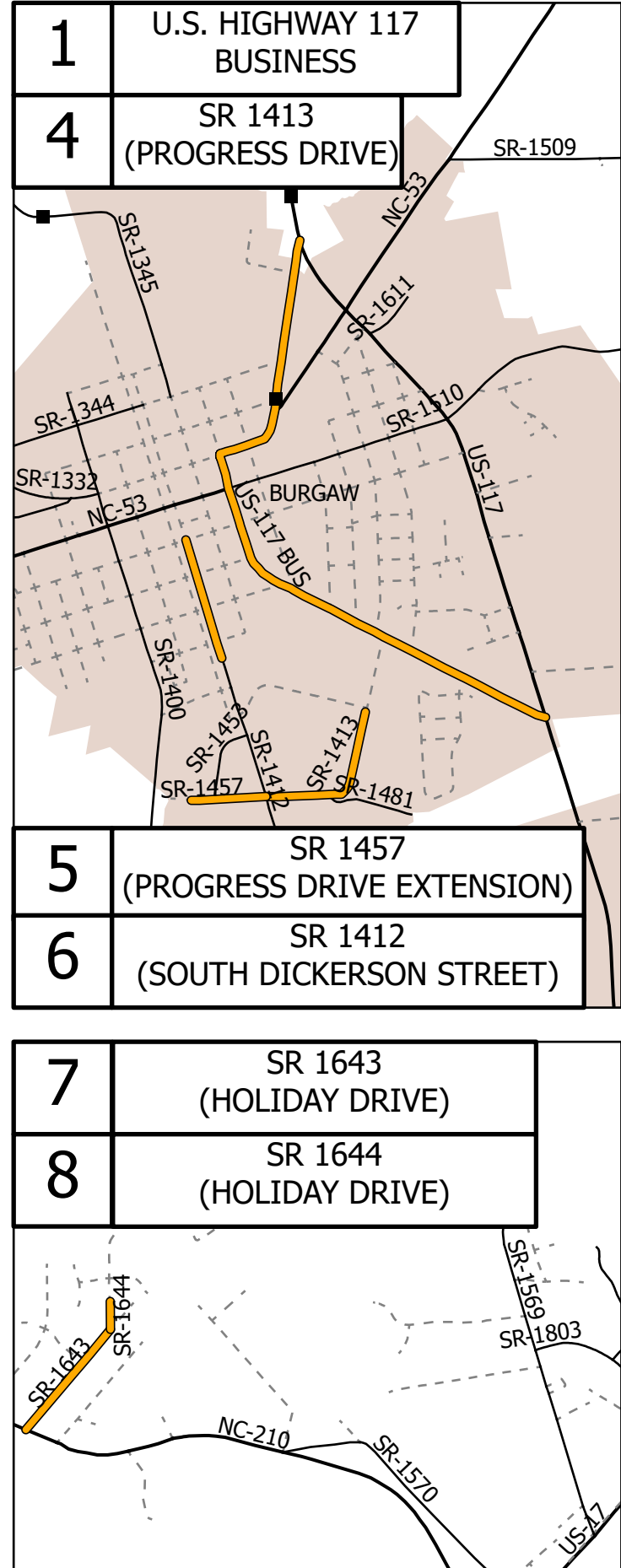
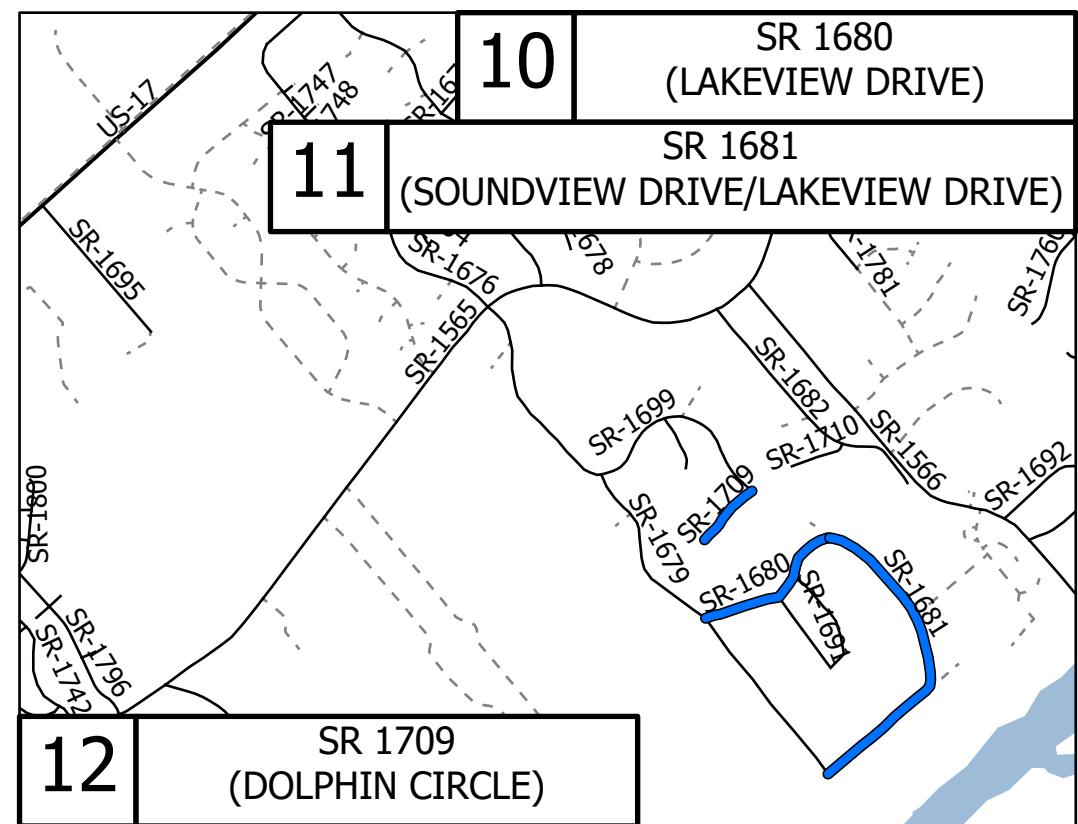
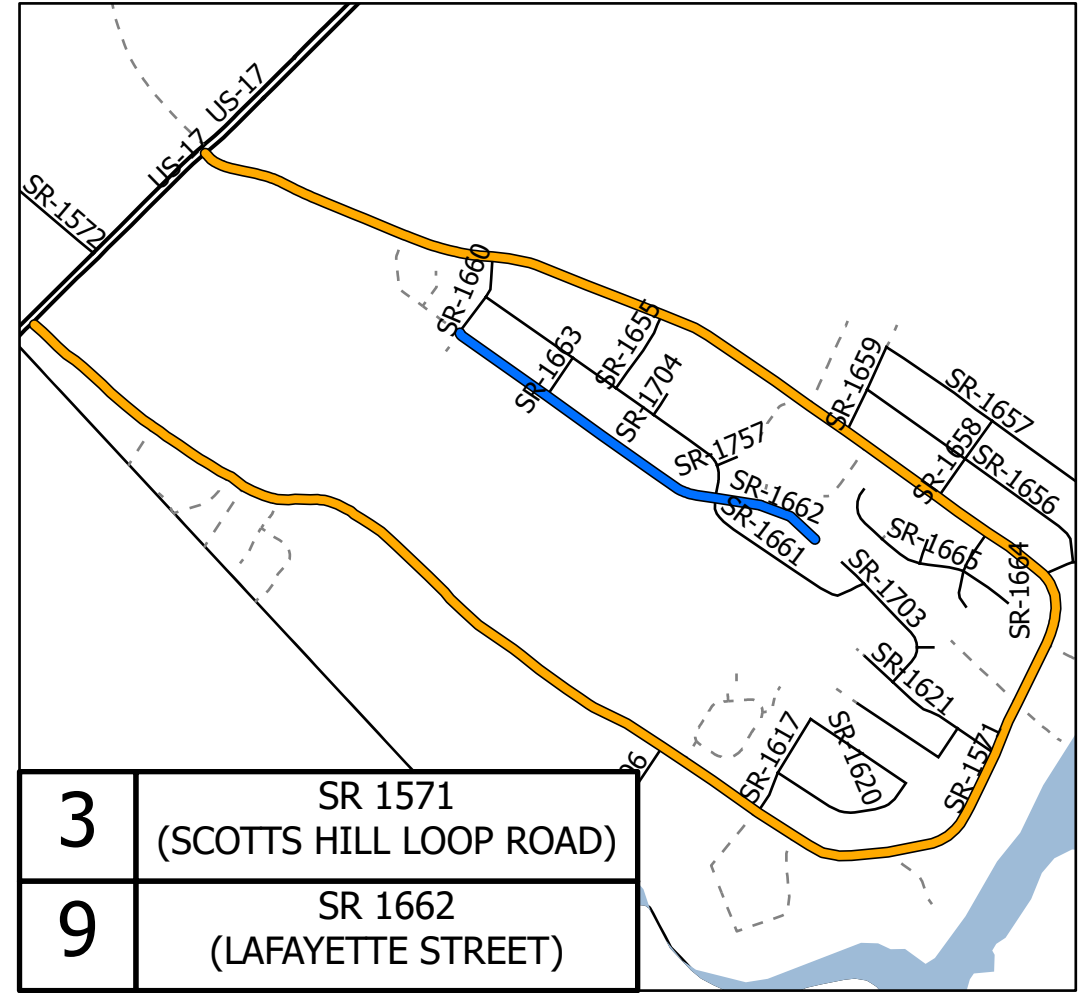
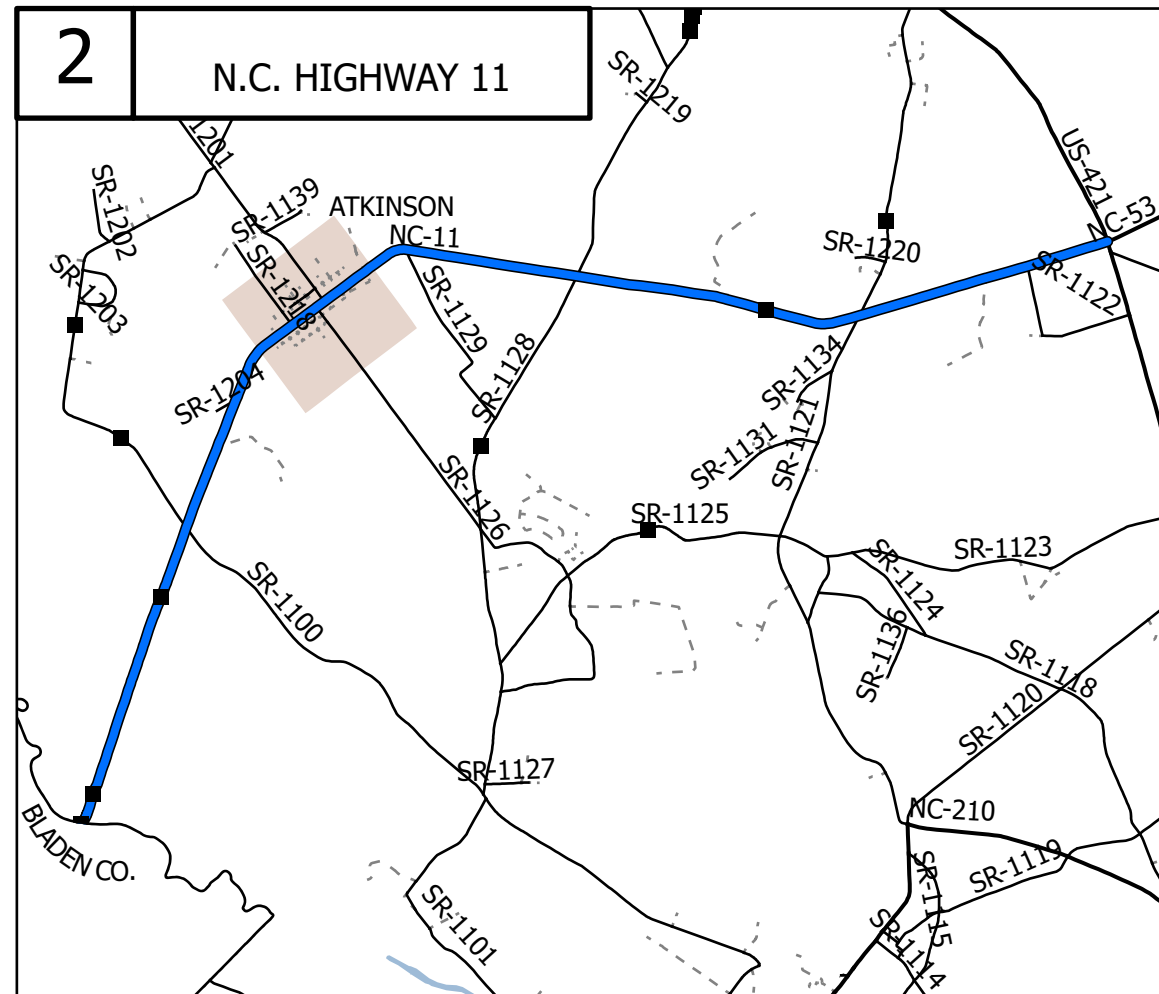
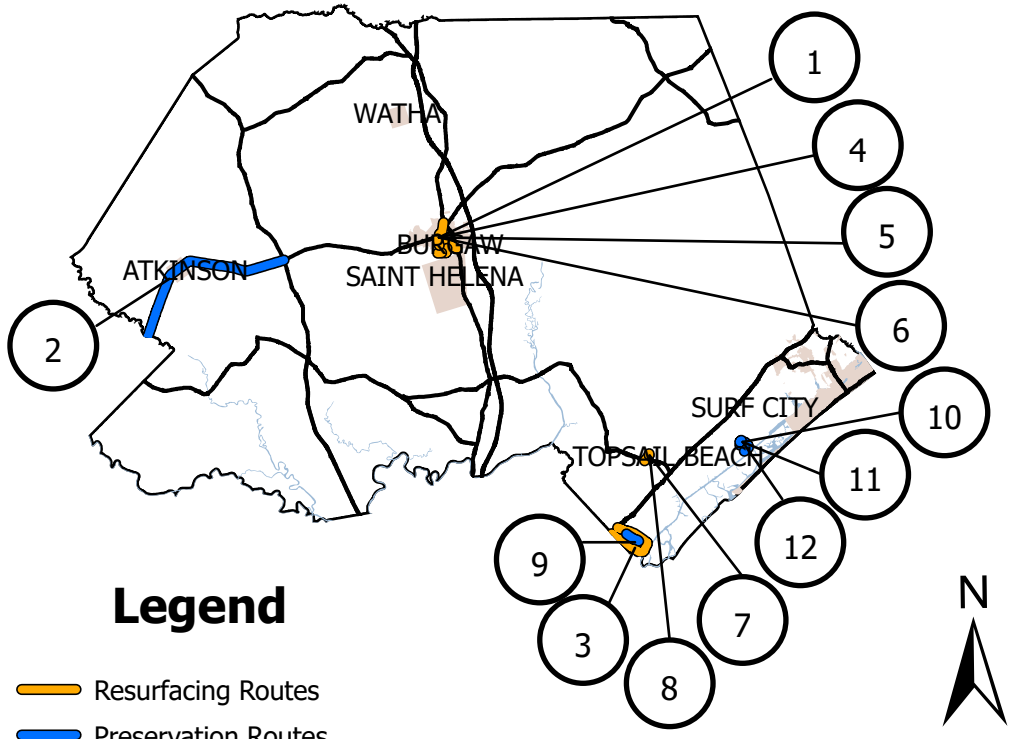


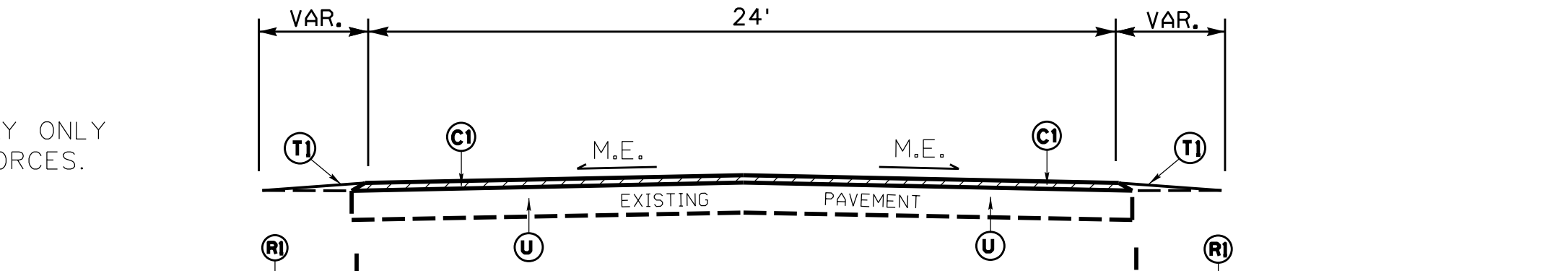
Pender County 1 - 12

PROJECT REFERENCE NO.	SHEET NO.
2023CPT.03.07.10711, ETC.	1



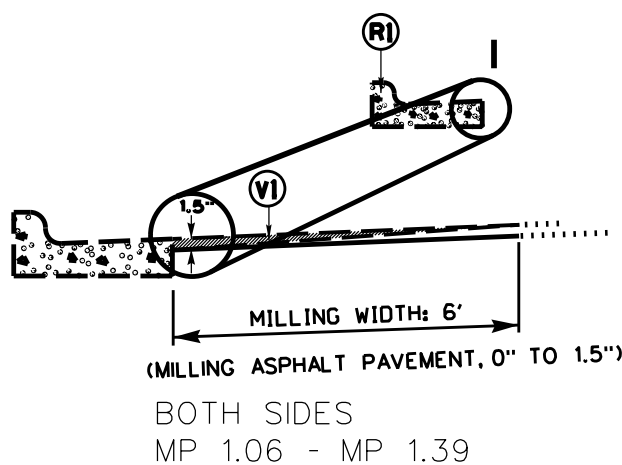
MAP NO. 2
NC 11 HWY.
MP 0.00 - MP 10.03

**MILL PATCH & SHORT OVERLAY ONLY
WILL BE LOCATED BY STATE FORCES.
NO SHOULDER WORK

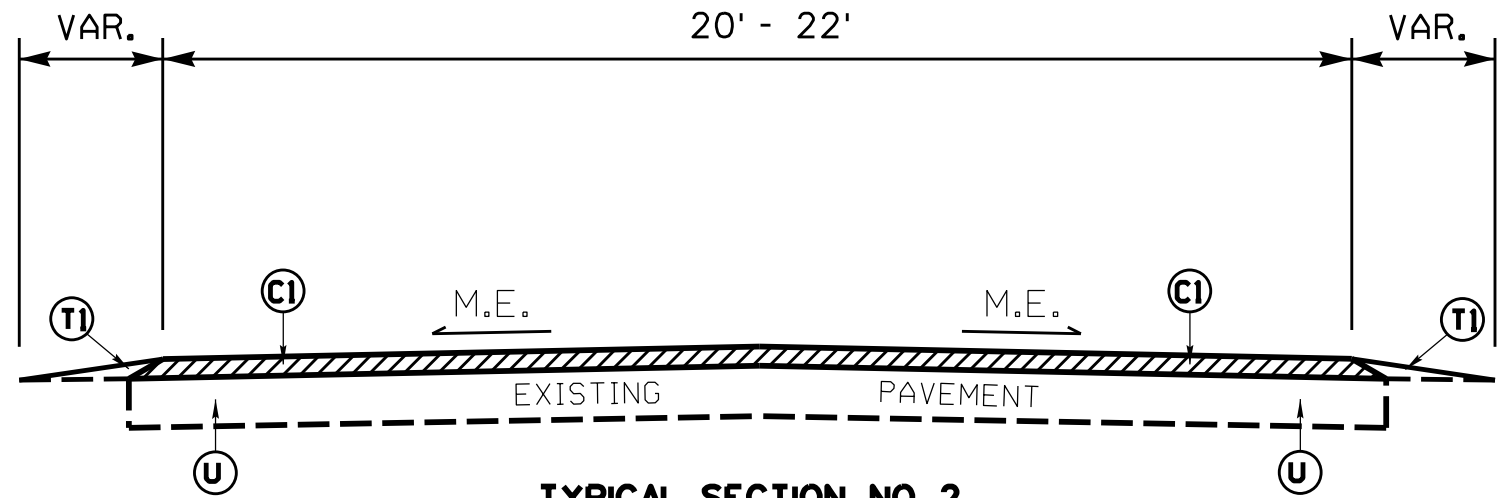
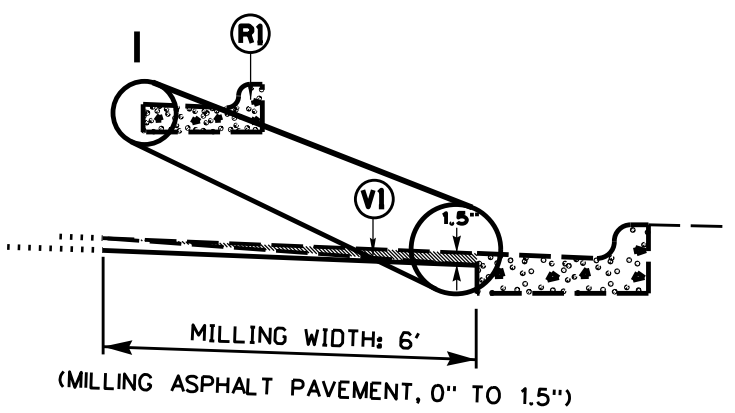


TYPICAL SECTION NO. 1

MAP NO. 1
US 117 HWY. (BUSINESS)
MP 0.03 - MP 1.99



V2 FRIS MILL 1-1/2"
MP 0.85 - MP 1.00
MP 1.52 - MP 1.60



TYPICAL SECTION NO. 2

MAP NO. 3
SR 1571 (SCOTTS HILL LOOP RD.)
MP 0.08 - MP 4.33

MAP NO. 4
SR 1413 (PROGRESS DR.)
MP 0.00 - MP 0.47

MAP NO. 5
SR 1457 (PROGRESS DRIVE EXT.)
MP 0.00 - MP 0.21

MAP NO. 7
SR 1643 (HOLIDAY DR.)
MP 0.00 - MP 0.38

MAP NO. 8
SR 1644 (HOLIDAY DR.)
MP 0.00 - MP 0.08

PAVEMENT SCHEDULE	
C1	PROP. APPROX. 1 1/2" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 165 LBS. PER SQ.YD.
C2	PROP. APPROX. 1" DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S4.75A, AT AN AVERAGE RATE OF 110.0 LBS. PER SQ.YD.
R1	EXISTING CONCRETE 2'-6" CURB & GUTTER
T1	EARTH MATERIAL (SHOULDER RECONSTRUCTION)
U	EXISTING PAVEMENT
V1	MILLING ASPHALT PAVEMENT, 0" - 1/2" DEPTH
V2	MILLING ASPHALT PAVEMENT, 1/2" DEPTH

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

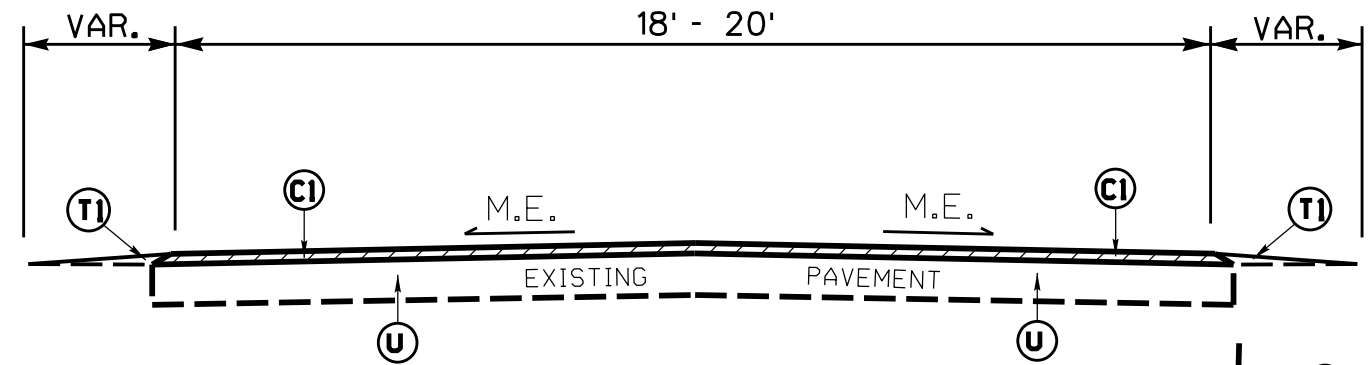
NOTES: MILL A SINGLE LANE AND PAVE BACK BY THE END OF EACH WORK DAY.

SHOULDER WORK ON MAP NO. 1, 3-5, 7 & 8 AS NEEDED. TO BE DETERMINED BY ENGINEER.

REVISIONS

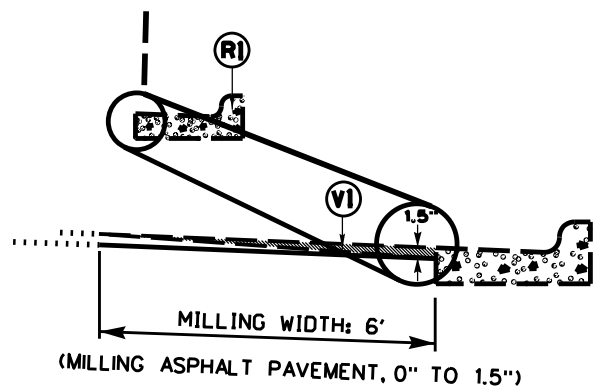
8/17/99

SYSTEMS DESIGN NAME



TYPICAL SECTION NO. 3

MAP NO. 6
SR 1412 (S. DICKERSON ST.)
MP 6.40 - MP 6.62



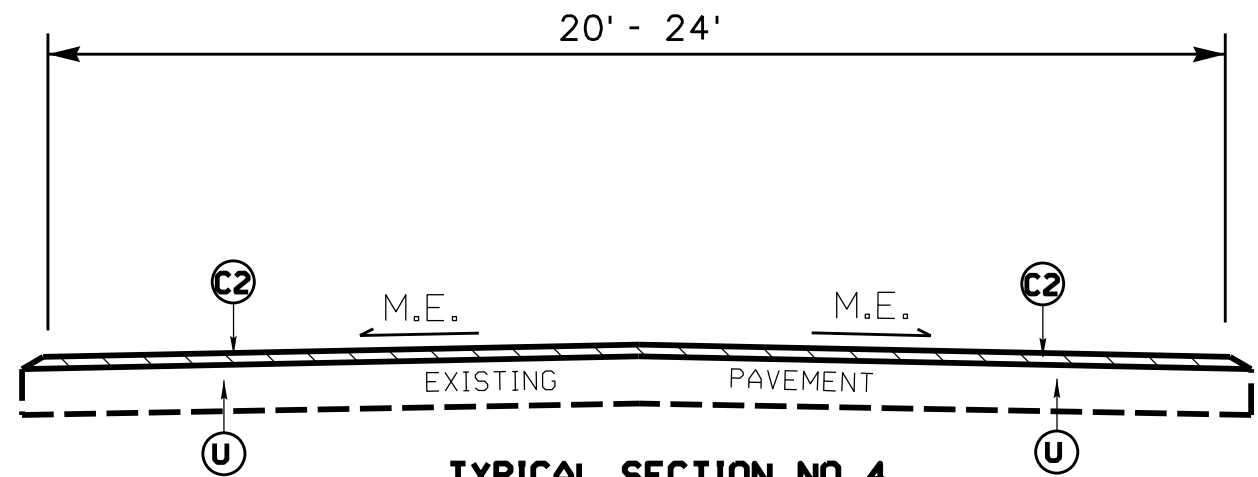
(MILLING ASPHALT PAVEMENT, 0" TO 1.5")
RT. SIDE ONLY
MP 6.48 - MP 6.62

PAVEMENT SCHEDULE	
C1	1/2" S9.5B
C2	3/4" S4.75A
R1	EXISTING 2'-6" CONCRETE C & G
T1	EARTH MATERIAL SHOULDER RECONST.
V1	0" - 1 1/2" MILLING
U	EXISTING PAVEMENT

PAVEMENT EDGE SLOPES ARE 1:1, EXCEPT FINAL SURFACE COURSE. SEE SHOULDER WEDGE DETAIL.

SHOULDER WORK ON MAP NO. 6 AS NEEDED, TO BE DETERMINED BY ENGINEER.

NO SHOULDER WORK



TYPICAL SECTION NO. 4

MAP NO. 9
SR 1662 (LAFAYETTE ST.)
MP 0.00 - MP 0.77

MAP NO. 10
SR 1680 (LAKEVIEW DR.)
MP 0.00 - MP 0.33

MAP NO. 11
SR 1681 (SOUNDVIEW DR./LAKEVIEW DR.)
MP 0.00 - MP 0.66

MAP NO. 12
SR 1709 (DOLPHIN CIR.)
MP 0.00 - MP 0.14

EFF. 01-16-2018 REV.

2018 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., Dated January, 2018 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 8 - INCIDENTALS	
846.01	Concrete Curb, Gutter and Curb & Gutter
848.01	Concrete Sidewalk
848.05	Curb Ramp - Proposed Curb & Gutter
848.06	Curb Ramp - Existing Curb & Gutter
DIVISION 12 - PVT MARKING, MARKERS AND DELINEATION	
1205.08	Pavement Markings - Symbols & Word Messages

REVISIONS

8/17/99

SYSTEMS DESIGN NAME

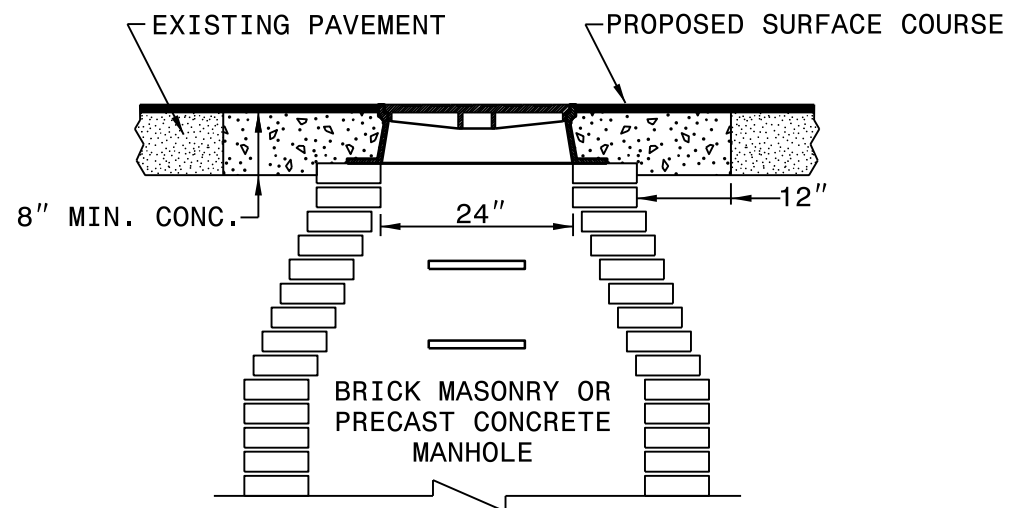
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

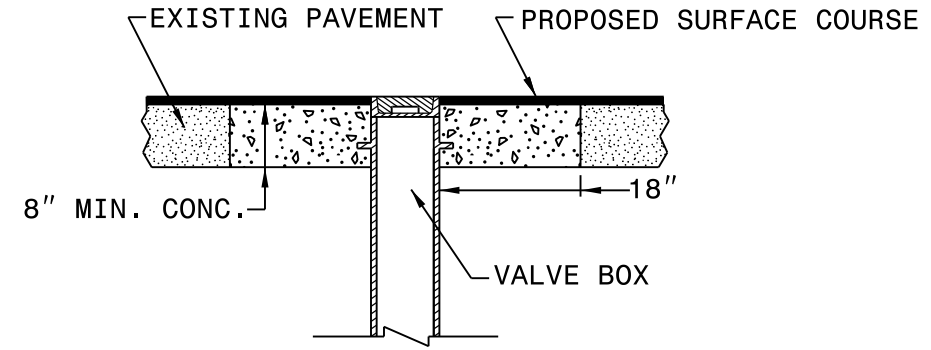
SHEET 1 OF 1
840D55

GENERAL NOTES:

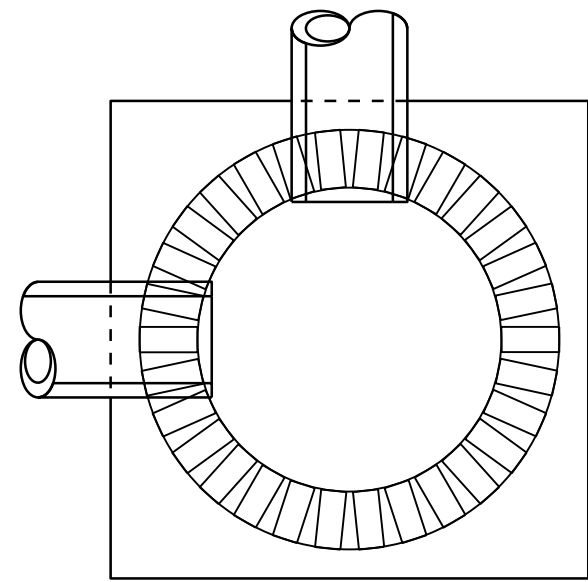
1. USE RAPID SET GROUT, MORTAR, OR CONCRETE THAT WILL TAKE FULL SET AND BECOME LOAD BEARING WITHIN SIXTY MINUTES OF PLACEMENT WITH A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
2. REMOVE ALL FAULTY EXISTING BRICKWORK AND REPLACE WITH NEW BRICK MASONRY.
3. SHEER CUT EXCAVATION FOR THE ADJUSTMENT ON ALL SIDES.
4. FILL AREA BELOW 8" DEPTH WITH 78M OR NO. 57 CLEAN STONE.
5. MIX MORTAR TO NCDOT SPECIFICATIONS.
6. MORTAR JOINTS $\frac{1}{2}$ " +/- $\frac{1}{8}$ "
7. CONSTRUCT AN ASPHALT RAMP IN ACCORDANCE WITH SECTION 858-3 OF THE 2018 STANDARD SPECIFICATIONS.



MANHOLE CONCRETE ENCASEMENT



VALVE BOX CONCRETE ENCASEMENT



ELEVATION VIEW

PLACE BRICK ACCORDING TO ELEVATION VIEW

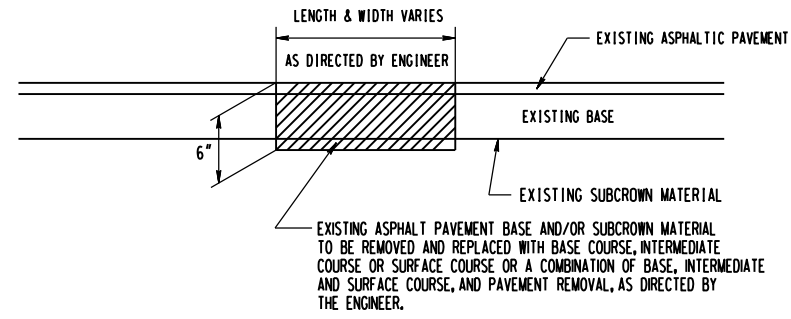
ENGLISH DETAIL DRAWING FOR
MANHOLE AND VALVE BOX ADJUSTMENTS

SHEET 1 OF 1
840D55

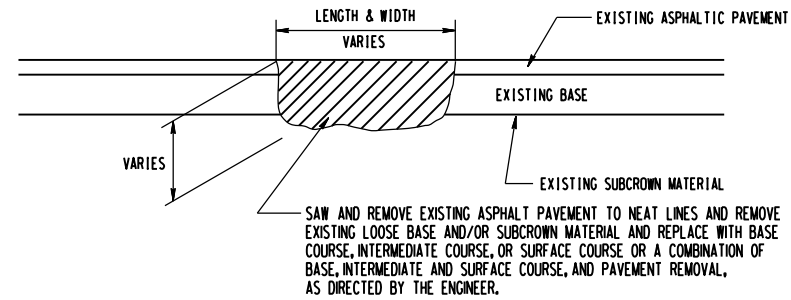
REVISIONS

28-NOV-2017 10:49
S:\Division Resurfacing\z Design Standards & CADD\CADD_Specs.Dwg\Tutorials_Curb, Etc.dwg
\$\$\$\$\$

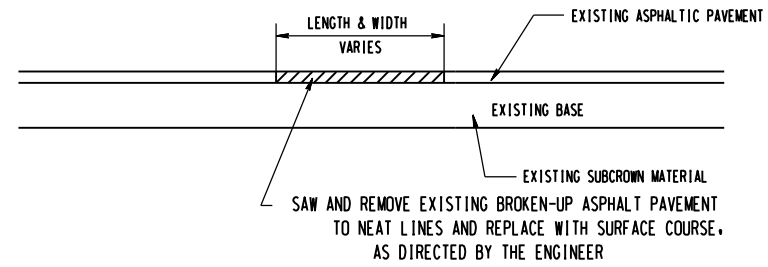
DETAILS OF REPAIRING EXISTING PAVEMENT PRIOR TO RESURFACING FOR FULL DEPTH AND MILLING



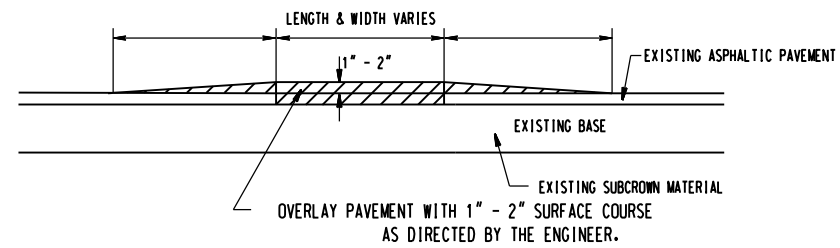
DETAIL NO. 1



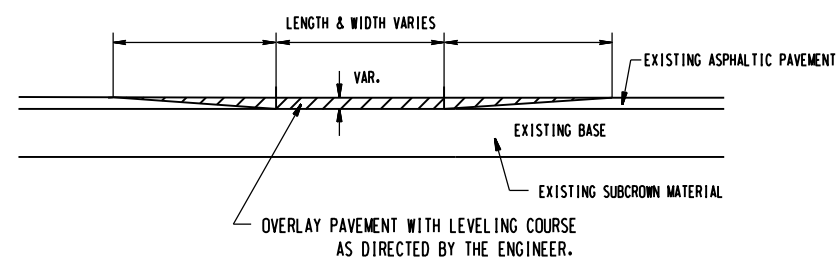
DETAIL NO. 2



DETAIL NO. 3



DETAIL NO. 4

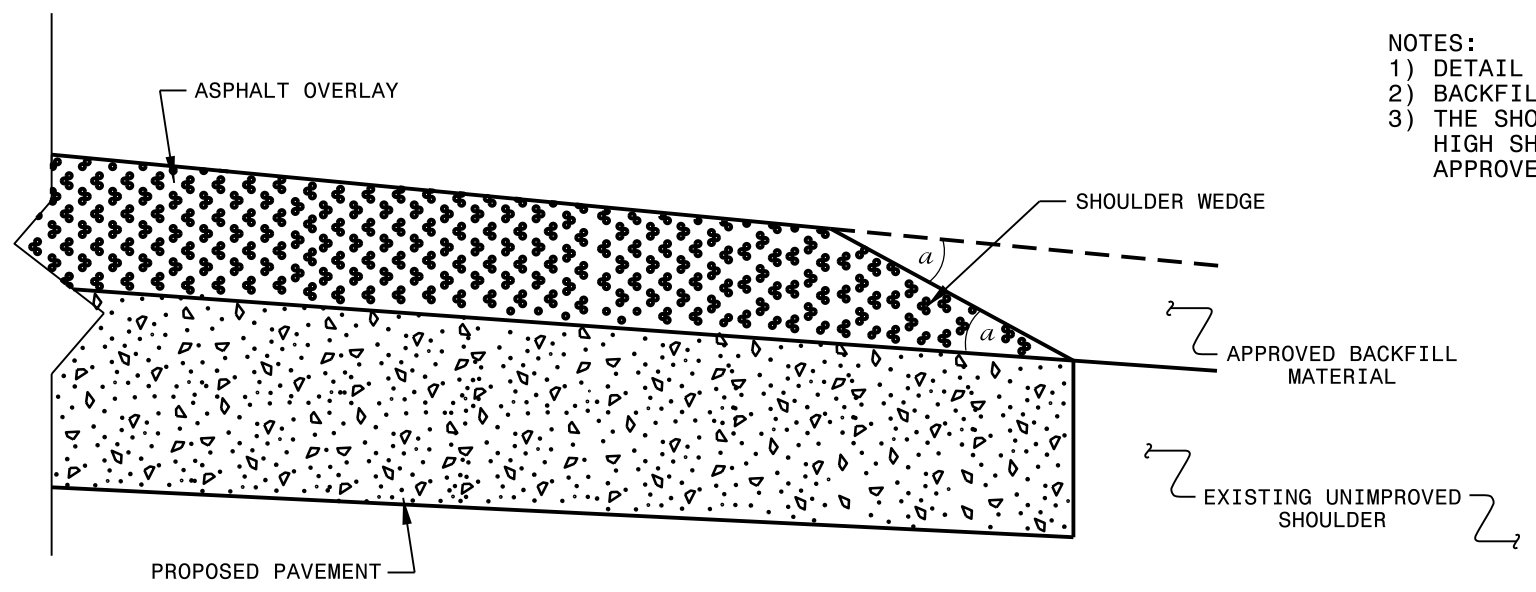


DETAIL NO. 5

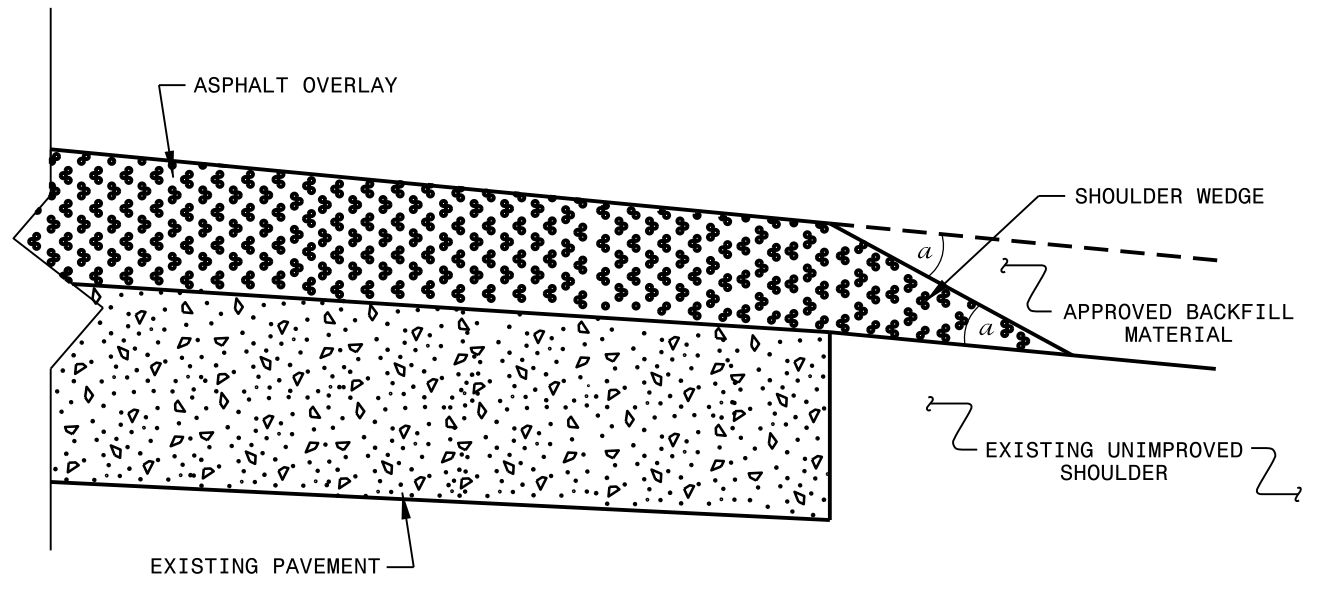
REVISIONS

20-APP-2015-1156
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 \$\$\$SUSFRNME\$\$\$

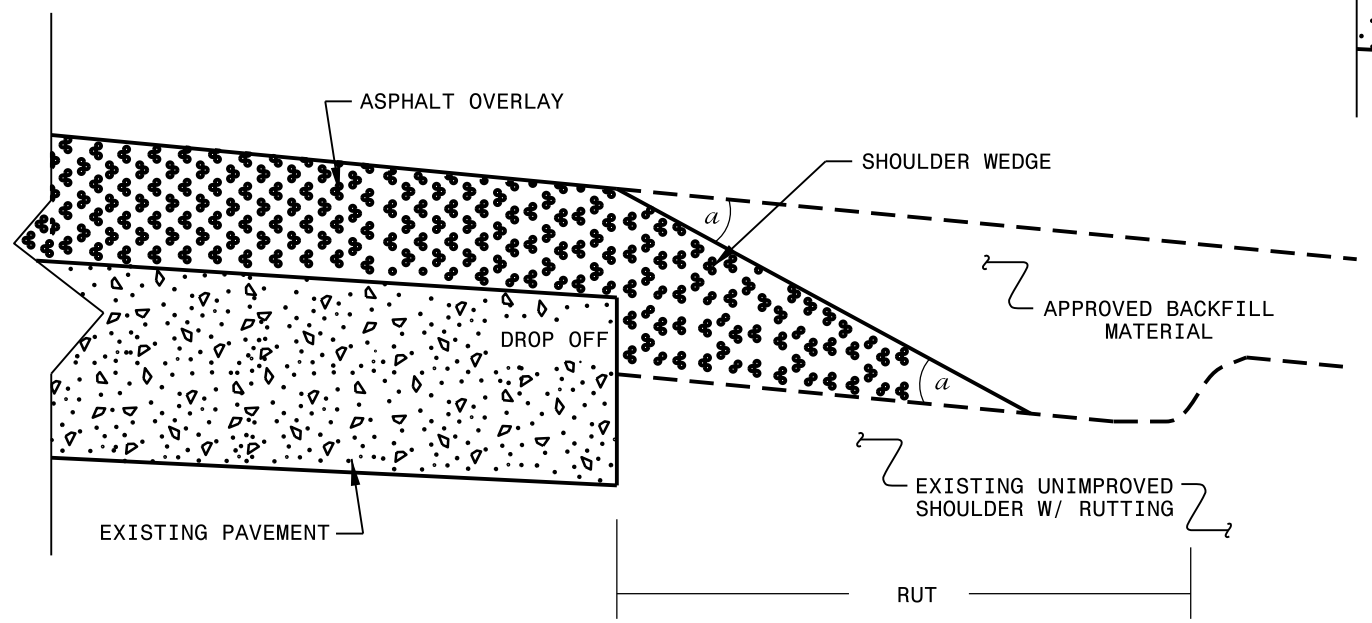
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFC AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)



SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT			
Office 919-707-6950		FAX 919-250-4119	
SHOULDER WEDGE DETAILS			
ORIGINAL BY: T.SPELL	DATE: 7-19-11		
MODIFIED BY:	DATE: 2/2/16		
CHECKED BY:	DATE:		
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn			

27 JUN 2018 13:22 s:\projects\Resurfacing Projects\Division 3\Sampson August 2018\Revised Shoulder Wedge Detail.dgn
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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

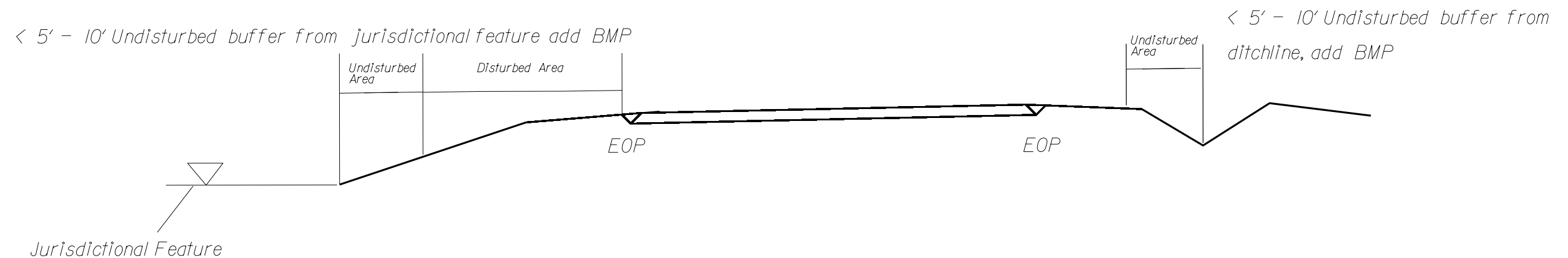
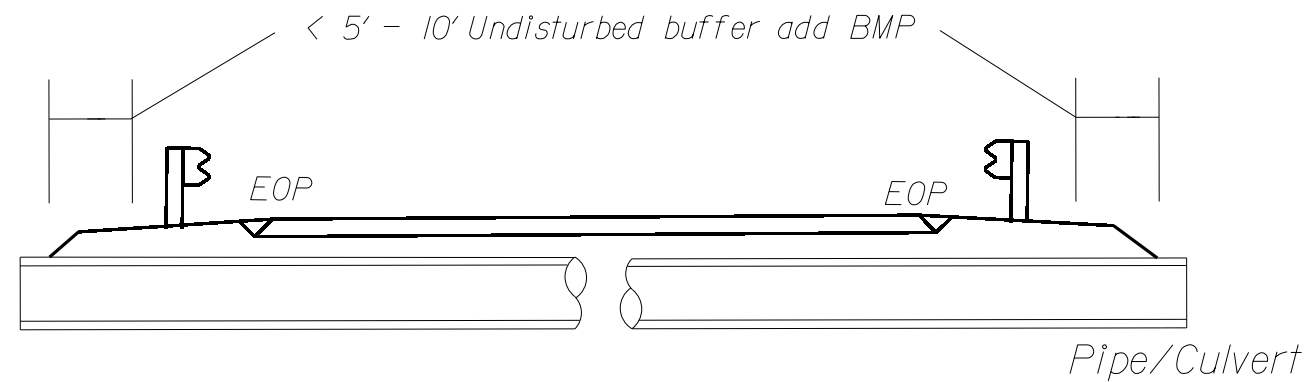
SOIL STABILIZATION TIMEFRAMES

<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

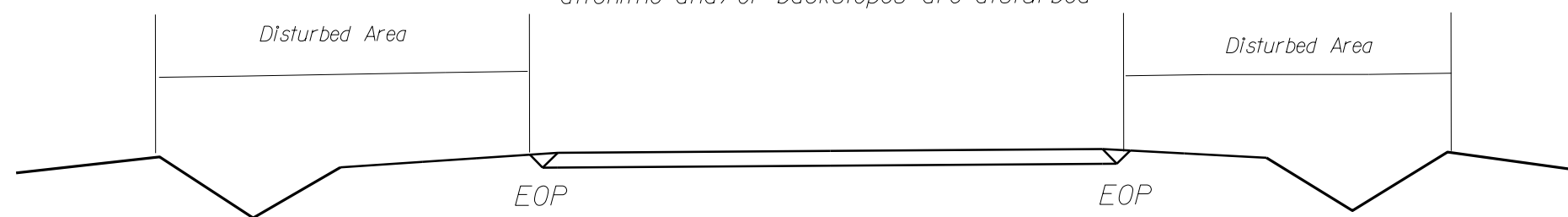
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

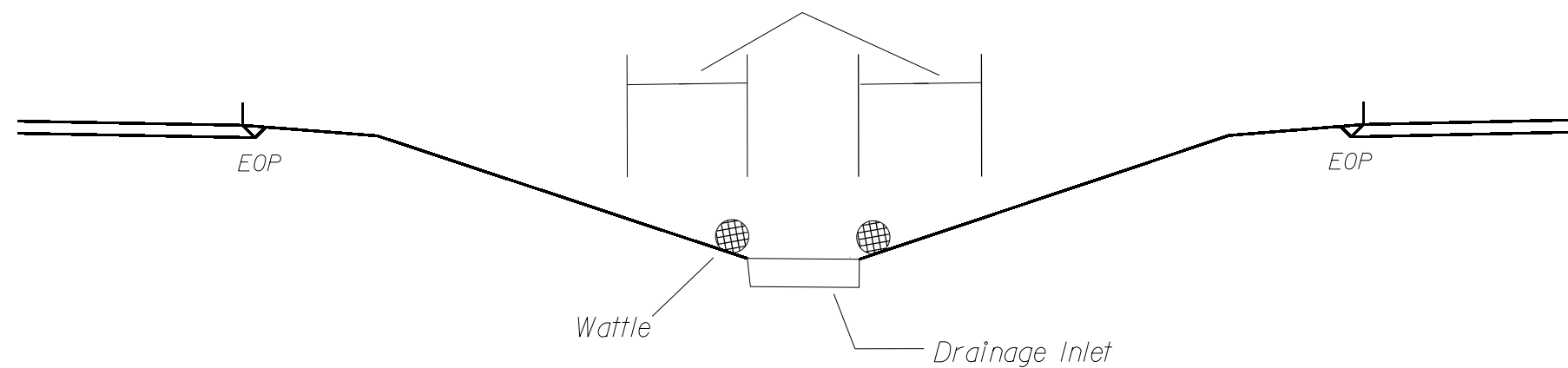
EROSION CONTROL DETAIL



Use BMP's if shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed

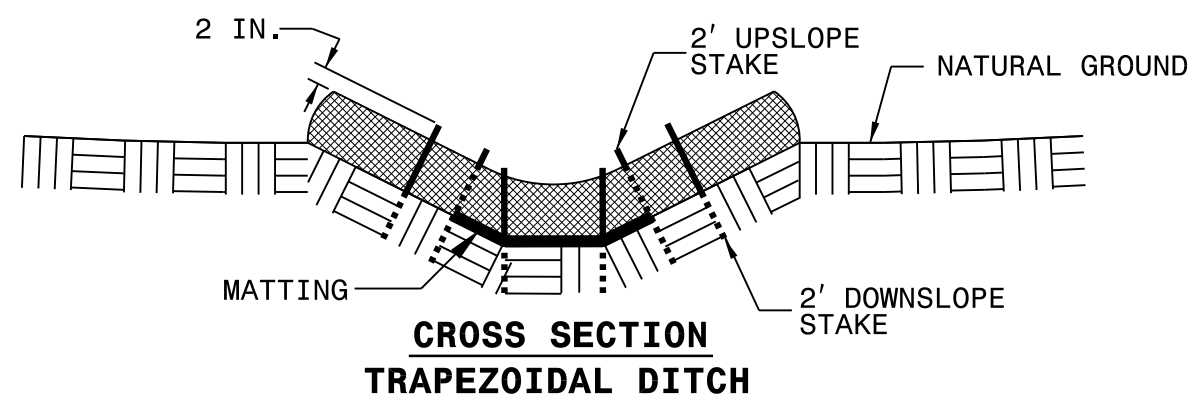
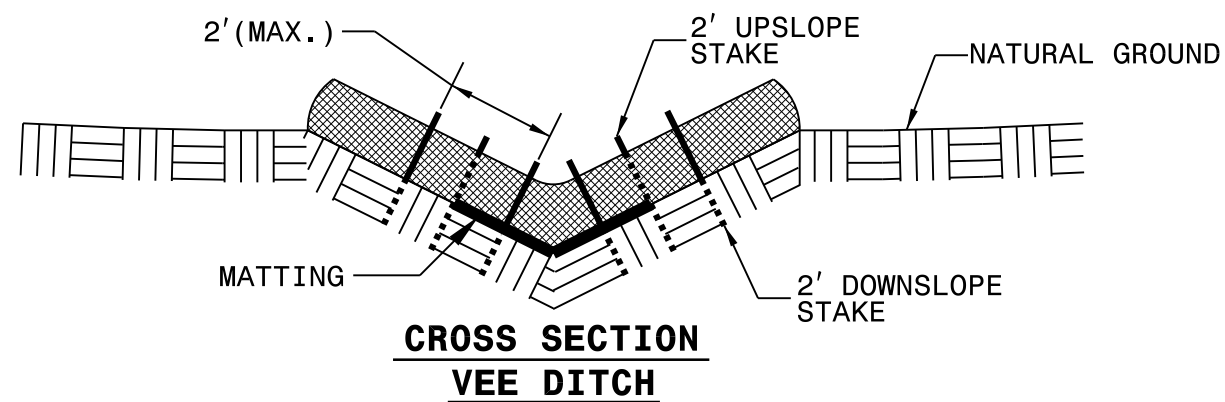
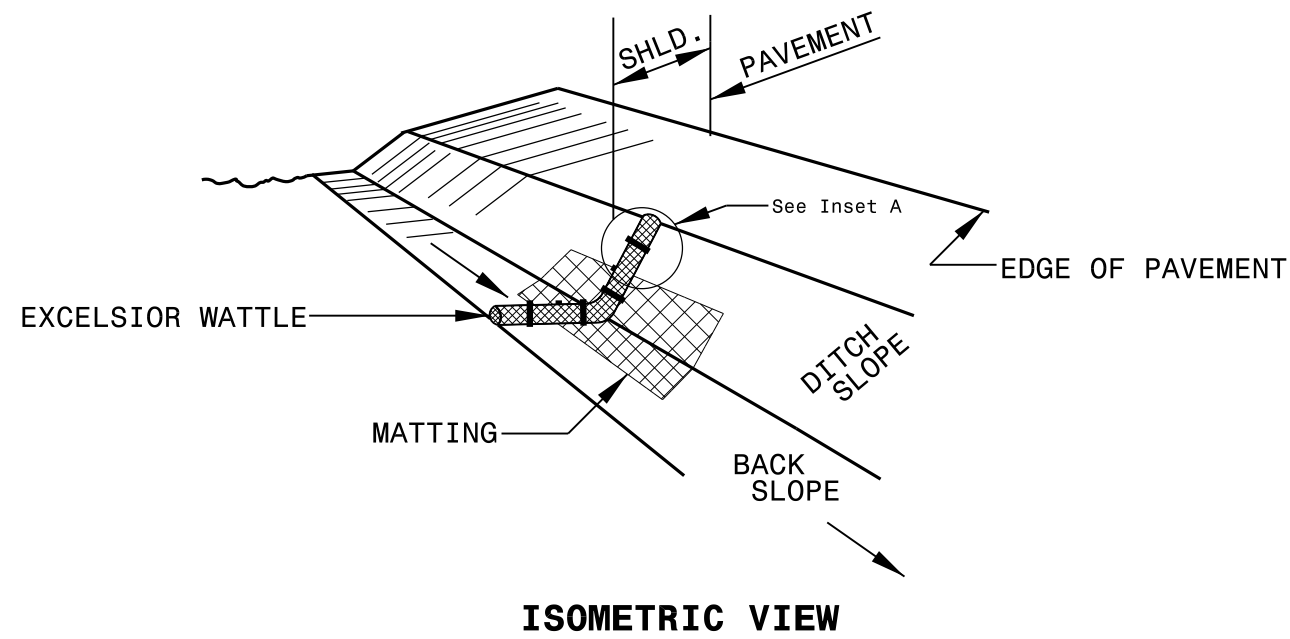


< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

WATTLE DETAIL



NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

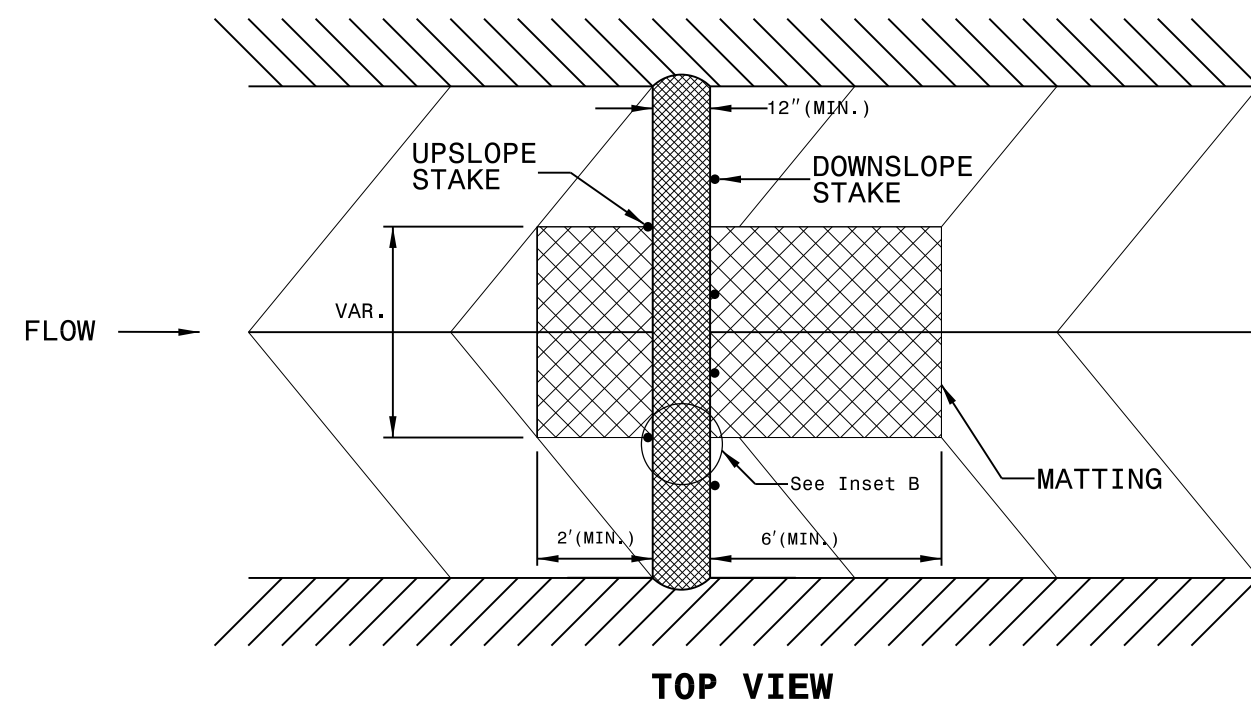
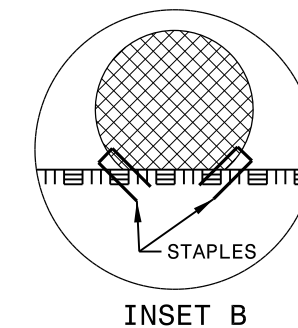
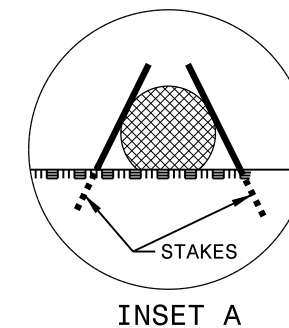
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

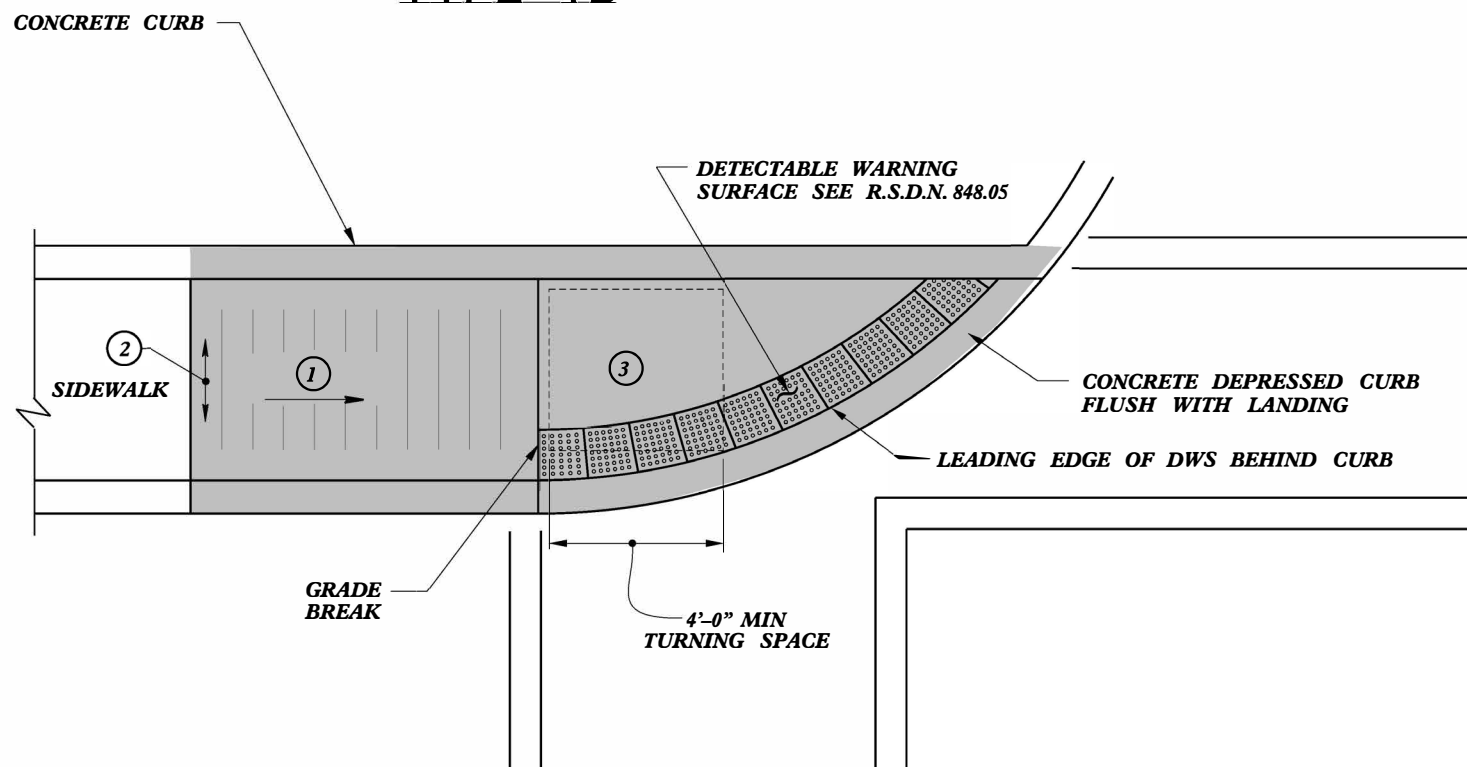
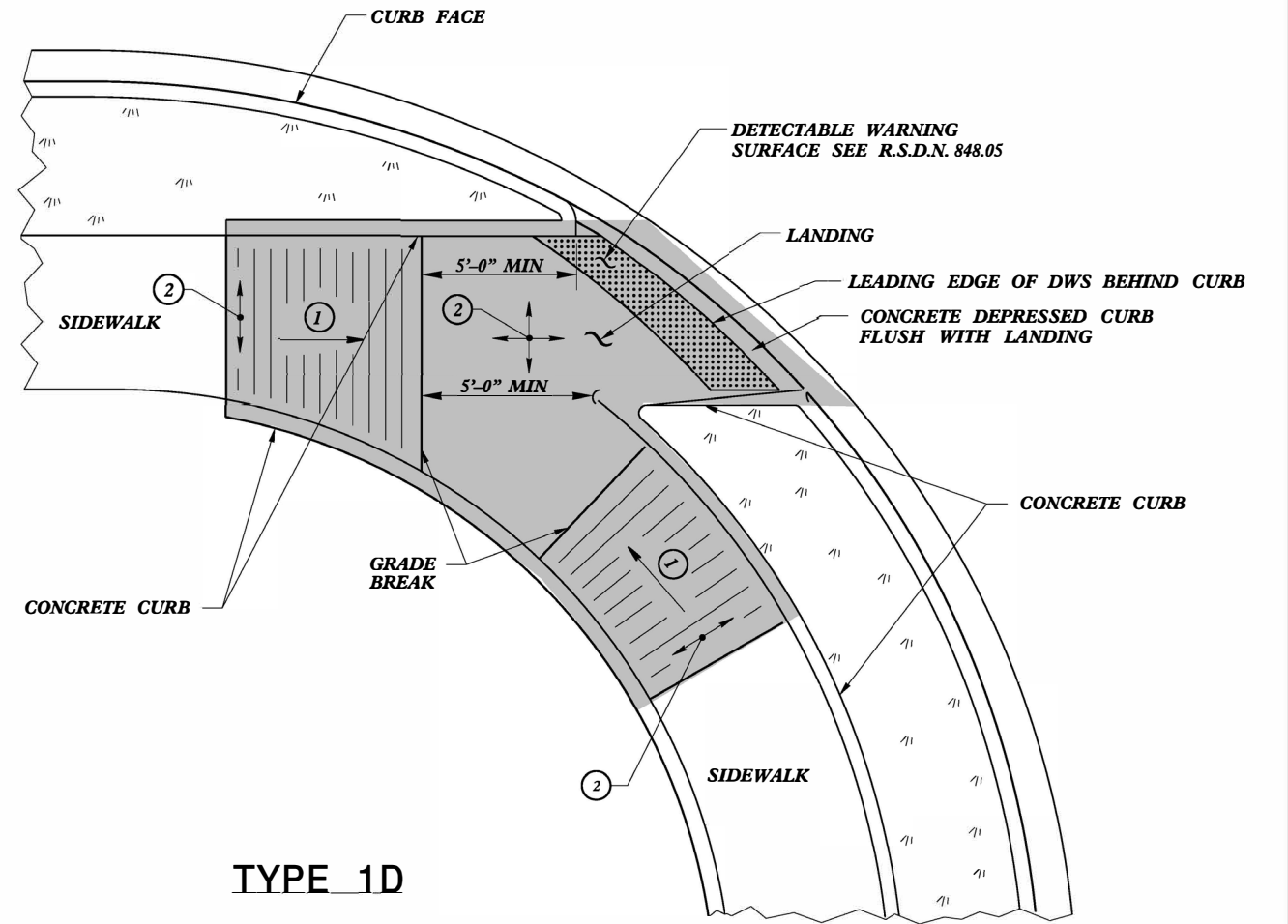
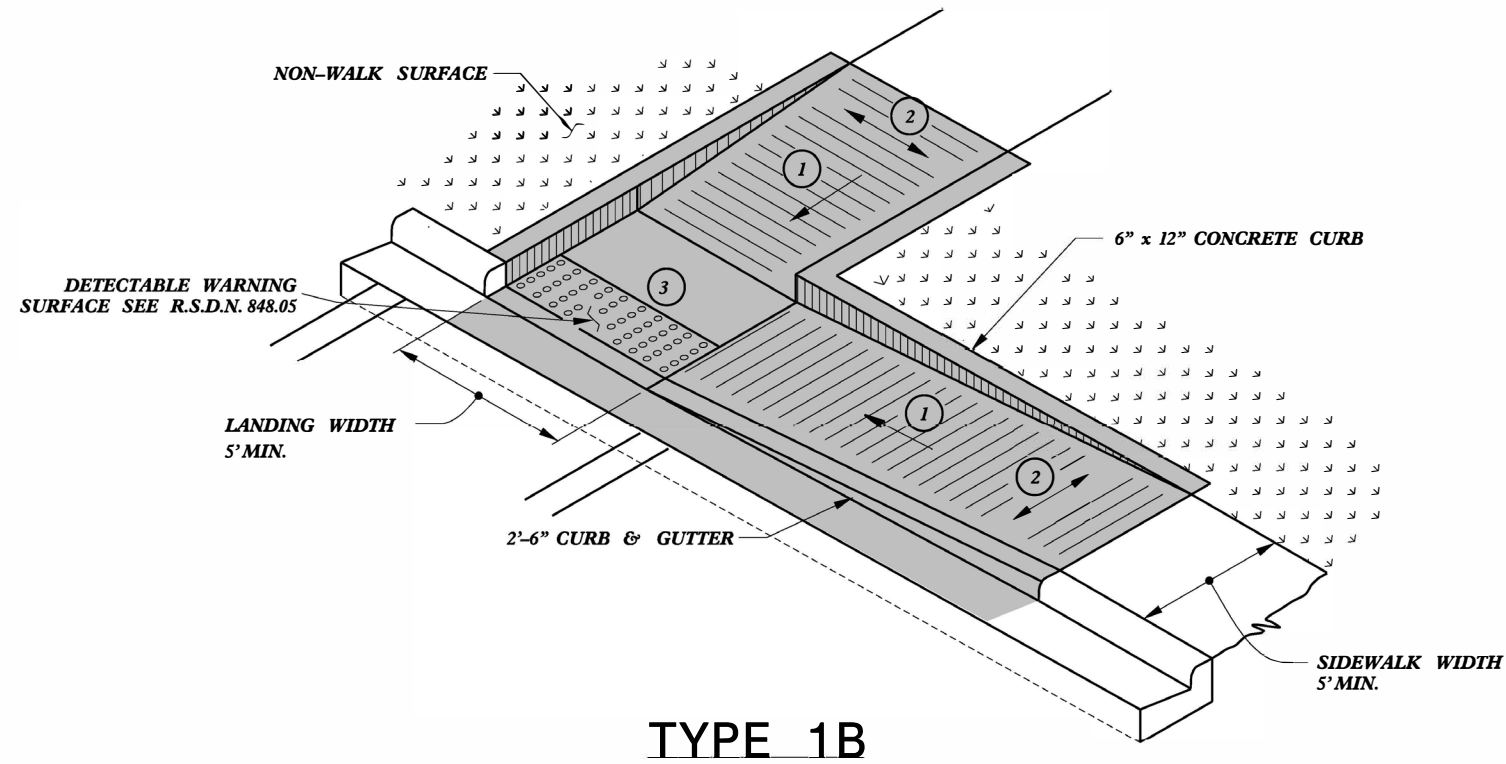
INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



I:\FEB-2015 Iir41
 D:\Resurfacing\Plan Sheets\3CR.20711.173. EC RESURF. 2015.dgn
 11/11/2015 11:41 AM
 11/11/2015 11:41 AM

5/14/99
 SYSTEMS DESIGN GROUP
 10000 W. BIRCHWOOD DRIVE
 SUITE 100
 FORT WORTH, TEXAS 76133
 (817) 441-1000
 FAX (817) 441-1001
 WWW.SYSDSG.COM



- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

PAY LIMITS FOR 1 CURB RAMP

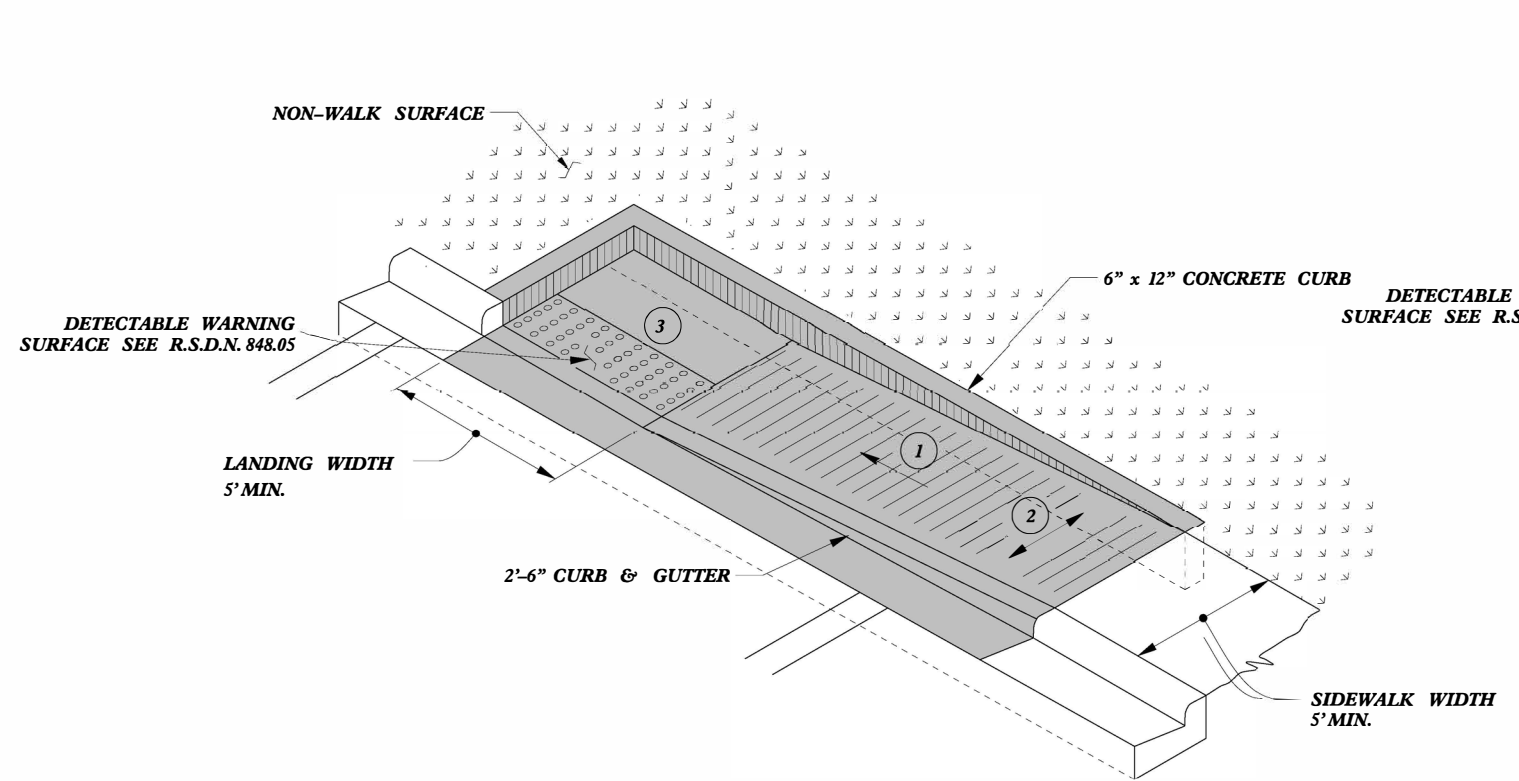
REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES



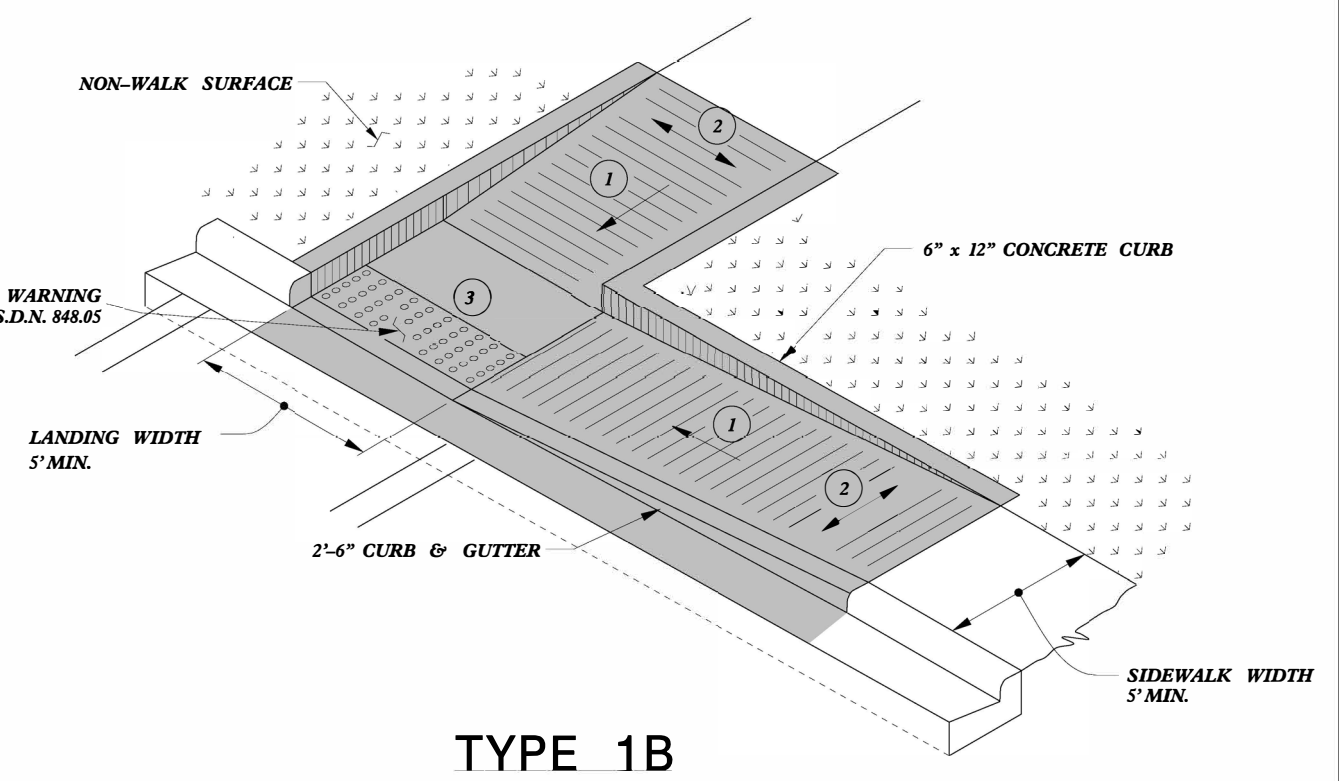
DocuSigned by:
 Nicole Heckler
 588422303416405

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950 FAX 919-250-4119	
CURB RAMPS	
Directional Ramps	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg	



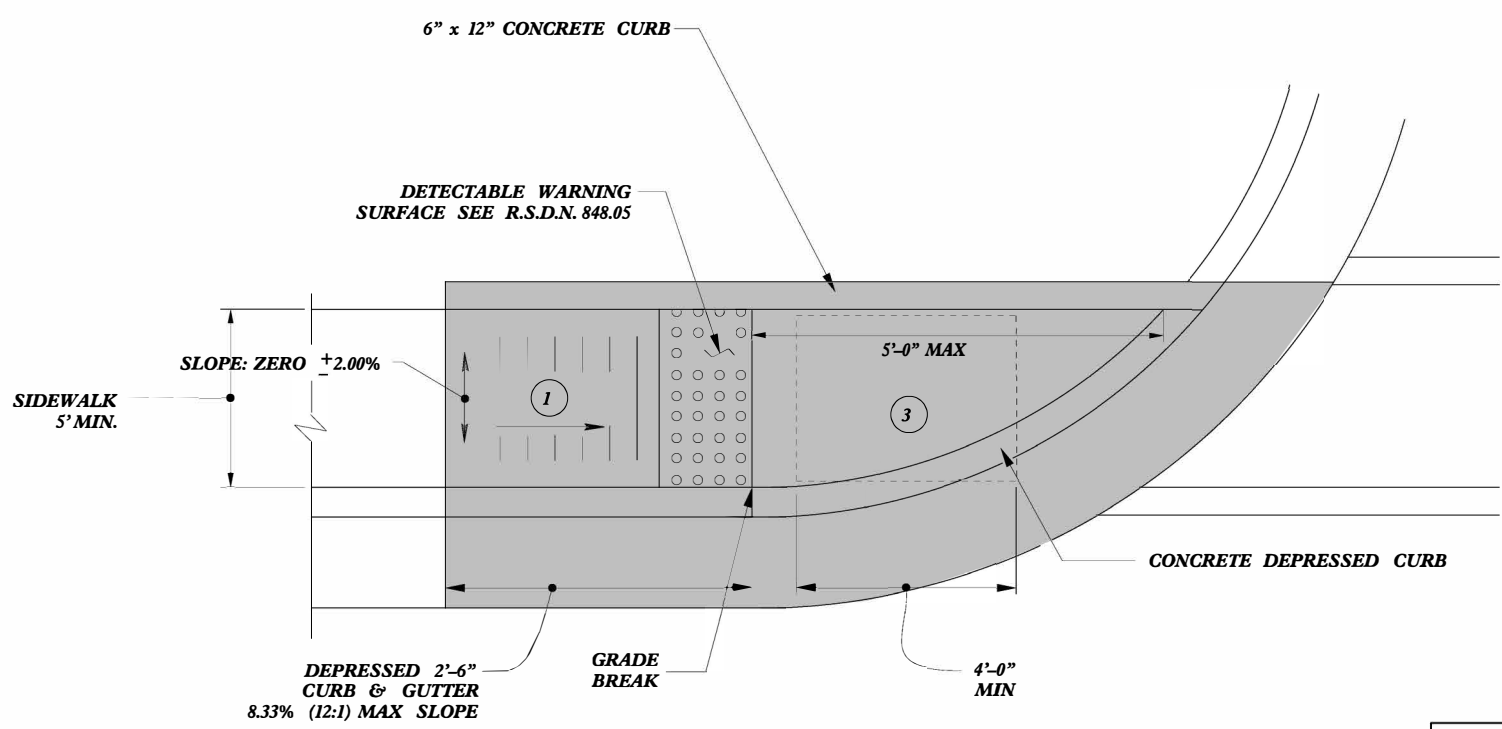
TYPE 1A



TYPE 1B

PAY LIMITS FOR 1 CURB RAMP

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



TYPE 1

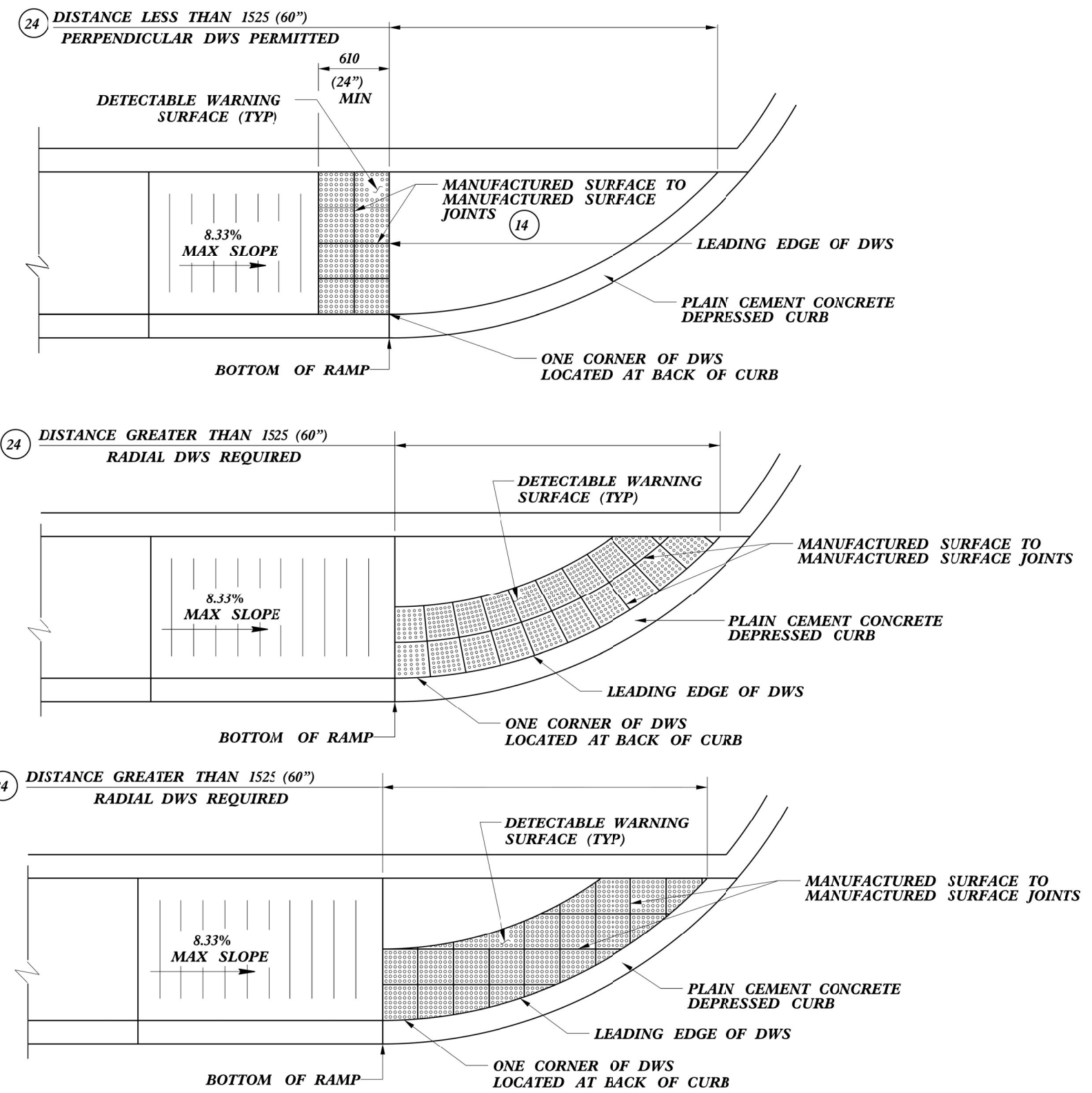
REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
CURB RAMPS	
Directional Ramps	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dgn	

5/14/99

TRUNCATED DOMES AT RADIUS DETAIL



**DETECTABLE WARNING SURFACE (DWS)
ON CURVED SURFACES**

REVISIONS

8/17/2023
 14-DEC-2015 09:46
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STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

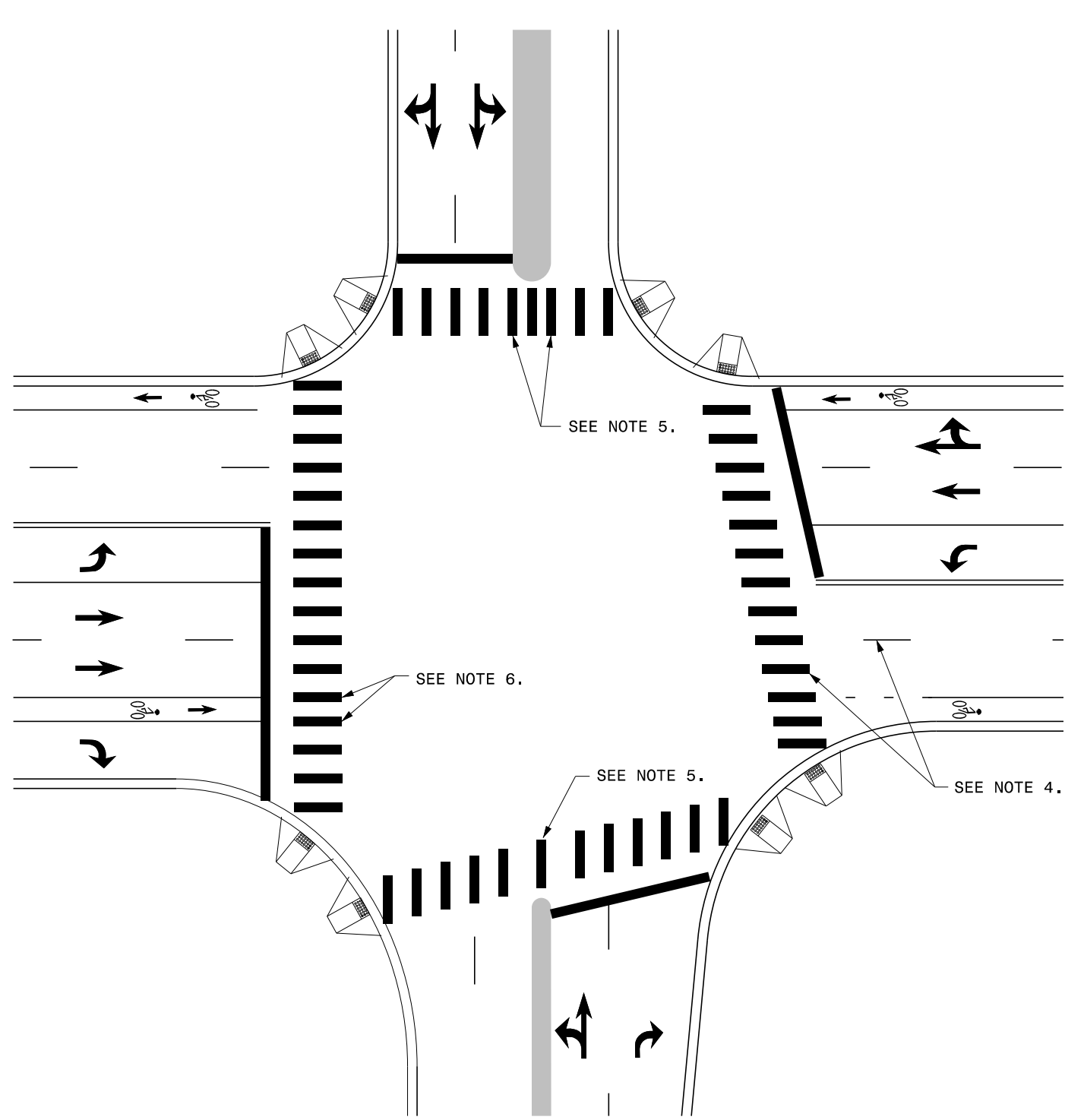
2-19

ENGLISH TYPICAL DRAWING FOR
PAVEMENT MARKINGS
HI-VISIBILITY CROSSWALKS
NO-TRACK MARKING GUIDANCE

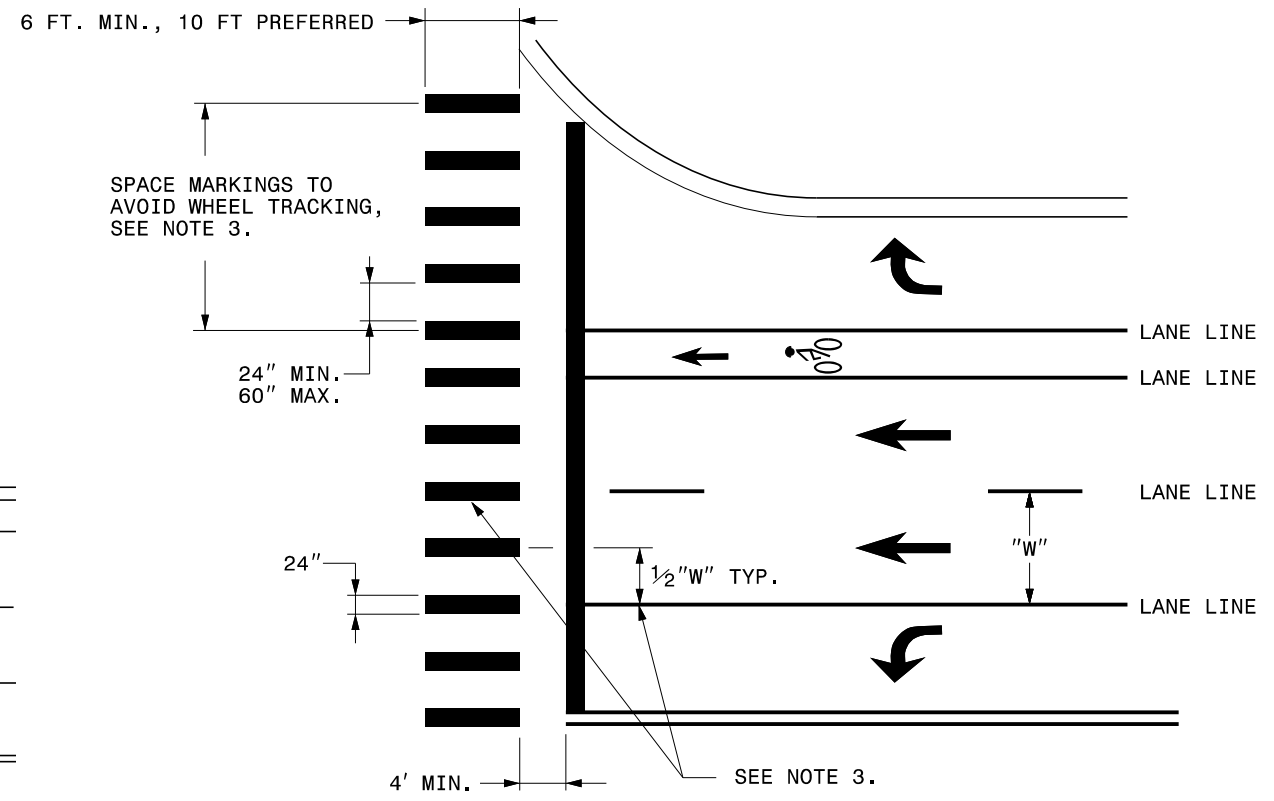
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

2-19

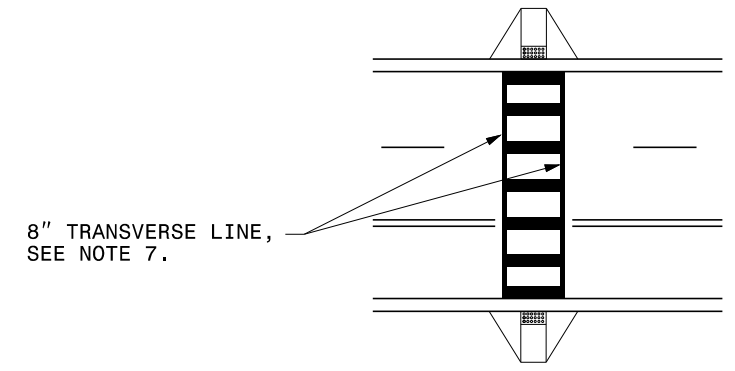
ENGLISH TYPICAL DRAWING FOR
PAVEMENT MARKINGS
HI-VISIBILITY CROSSWALKS
NO-TRACK MARKING GUIDANCE



CROSSWALK INTERSECTION DETAIL



CROSSWALK MARKING DETAIL



MID-BLOCK CROSSWALK DETAIL

GENERAL NOTES:

- 1- THE GUIDANCE IN THIS DETAIL IS TO BE USED WHEN NO-TRACK SPACING OF HI-VISIBILITY MARKINGS IS REQUESTED.
- 2- USE THE GUIDANCE SHOWN ON THE ABOVE DETAILS IN CONJUNCTION WITH PAVEMENT MARKING GUIDANCE SHOWN ON ROADWAY STANDARD DRAWINGS 1205.01 AND 1205.07.
- 3- PLACE MARKINGS TO AVOID WHEELPATH OF VEHICLES. MARKINGS TYPICALLY WILL BE LOCATED CENTERED AT THE LANE LINES AND EDGE LINES WITH ONE ADDITIONAL MARKING CENTERED IN THE MIDDLE OF THE LANE. AT WIDE LANE WIDTHS DUE TO TAPERS AND LARGE RADII, LOCATE MARKINGS AT BEST SPACING TO AVOID WHEEL TRACKING. THE SPACE BETWEEN MARKINGS SHALL NOT BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.

- 4- WHERE THE CROSSWALK IS SKEWED TO THE LANE LINES, THE MARKINGS SHOULD BE PARALLEL TO THE LANE LINES.
- 5- PLACE MARKINGS ON BOTH EDGES OF THE NOSE OF A MEDIAN. FOR NARROW MEDIANS LESS THAN 4 FEET, A SINGLE MARKING MAY BE USED. FOR WIDE MEDIANS, INSTALL ADDITIONAL MARKINGS IN THE MEDIAN AREA. THE SPACE BETWEEN THE MARKINGS SHALL NOT TO BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.
- 6- LOCATE MARKINGS CENTERED ON BICYCLE LANE LINES. MARKINGS SHALL NOT BE LOCATED IN THE CENTER OF THE BICYCLE PATH.
- 7- INCLUDE 8" TRANSVERSE LINES WITH 24" LONGITUDINAL MARKINGS AT MID-BLOCK CROSSINGS.

PROJECT NO.	SHEET NO.
2023CPT.03.07.10711, Etc.	14

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	010600000-E	122000000-E	124500000-E	129700000-E	130800000-E	133000000-E	151900000-E		152600000-E	157500000-E	170500000-E	170550000-E	
												BORROW EXCAVATION	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	1.5" MILLING	0" - 1.5" MILLING (GENERIC)	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5B SHORT OVERLAY	SURFACE COURSE, S4.75A	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT (FULL DEPTH)	PATCHING EXISTING PAVEMENT (MILL)	
											MI	FT	CY	TON	SMI	SY	SY	SY	TON	TON	TON	TON	TON	TON
2023CPT.03.07.10711	Pender	1	US HIGHWAY 117 BUSINESS	FROM US 117 S. TO US 117 N. [MP 0.03- MP 1.99]	1	2	2WU	NO	NO	1.96	24	301	68	3.94	3,238	2,456	414	2,836			202		255	
TOTAL FOR MAP NO. 1											1.96		301	68	3.94	3,238	2,456	414	2,836			202		255
TOTAL FOR PROJ NO. 2023CPT.03.07.10711											1.96		301	68	3.94	3,238	2,456	414	2,836			202		255
											2,836													
2023CPT.03.07.10712	Pender	2	NC HIGHWAY 11	FROM BLADEN CO. LINE TO US HWY. 421 [MP 0.00 - MP 10.03]		2	2WU	NO	NO	10.03	22						611		2,355		173		320	
TOTAL FOR MAP NO. 2											10.03							611		2,355		173		320
TOTAL FOR PROJ NO. 2023CPT.03.07.10712											10.03							611		2,355		173		320
											2,355													
2023CPT.03.07.20711	Pender	3	SR 1571 (SCOTTS HILL LOOP ROAD)	FROM US HWY. 17 TO US HWY. 17 [MP 0.08 - MP 4.33]	2	2	2WU	NO	NO	4.25	22	649	194	8.50			889	4,779			358		785	
TOTAL FOR MAP NO. 3											4.25		649	194	8.50			889	4,779			358		785
2023CPT.03.07.20711	Pender	4	SR 1413 (PROGRESS DRIVE)	FROM SR 1412 (S. DICKERSON ST.) TO INDUSTRIAL DR. (NON-SYSTEM) [MP 0.00 - MP 0.47]	2	2	2WU	NO	NO	0.47	22	72	16	0.94			189	503			38		80	
TOTAL FOR MAP NO. 4											0.47		72	16	0.94			189	503			38		80
2023CPT.03.07.20711	Pender	5	SR 1457 (PROGRESS DRIVE EXTENSION)	FROM SR 1412 (S. DICKERSON ST.) TO END OF MAINTENANCE [MP 0.00 - MP 0.21]	2	2	2WU	NO	NO	0.21	22	32	20	0.42			185	251			19		36	
TOTAL FOR MAP NO. 5											0.21		32	20	0.42			185	251			19		36
2023CPT.03.07.20711	Pender	6	SR 1412 (SOUTH DICKERSON STREET)	FROM .02 MI. SOUTH OF E. HAYES ST. TO FREMONT ST. (NON SYSTEM) [MP 6.40 - MP 6.62]	3	2	2WU	NO	NO	0.22	22	34	12	0.44		489	186	317			22		10	
TOTAL FOR MAP NO. 6											0.22		34	12	0.44		489	186	317			22		10
2023CPT.03.07.20711	Pender	7	SR 1643 (HOLIDAY DRIVE)	FROM NC 210 HWY. TO SR 1644 (HOLIDAY DRIVE) [MP 0.00 - MP 0.38]	2	2	2WU	NO	NO	0.38	20	60	22	0.76			111	380			26		20	
TOTAL FOR MAP NO. 7											0.38		60	22	0.76			111	380			26		20
2023CPT.03.07.20711	Pender	8	SR 1644 (HOLIDAY DRIVE)	FROM SR 1643 (HOLIDAY DR.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	2	2	2WU	NO	NO	0.08	20	12	4	0.16			112	78			5			
TOTAL FOR MAP NO. 8											0.08		12	4	0.16			112	78			5		
TOTAL FOR PROJ NO. 2023CPT.03.07.20711											5.61		859	268	11.22		489	1,672	6,308			468		931
											6,308													
2023CPT.03.07.20712	Pender	9	SR 1662 (LAFAYETTE STREET)	FROM SR 1660 (OAKVALE DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.77]	4	2	2WU	NO	NO	0.77	20									384	30	65		
TOTAL FOR MAP NO. 9											0.77										384	30	65	
2023CPT.03.07.20712	Pender	10	SR 1680 (LAKEVIEW DRIVE)	FROM SR 1679 (S. BELVEDERE DR.) TO SR 1681 (LAKEVIEW DR.) [MP 0.00 - MP 0.33]	4	2	2WU	NO	NO	0.33	24									197	15	25		
TOTAL FOR MAP NO. 10											0.33										197	15	25	
2023CPT.03.07.20712	Pender	11	SR 1681 (SOUNDVIEW DRIVE/LAKEVIEW DRIVE)	FROM SR 1679 (S. BELVEDERE DR.) TO SR 1680 (LAKEVIEW DR.) [MP 0.00 - MP 0.66]	4	2	2WU	NO	NO	0.66	24									395	29	25		
TOTAL FOR MAP NO. 11											0.66										395	29	25	
2023CPT.03.07.20712	Pender	12	SR 1709 (DOLPHIN CIRCLE)	FROM SR 1699 (FAIRWAY DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.14]	4	2	2WU	NO	NO	0.14	20									70	6	30		
TOTAL FOR MAP NO. 12											0.14										70	6	30	
TOTAL FOR PROJ NO. 2023CPT.03.07.20712											1.9										1,046	80	145	
GRAND TOTAL											19.5		1,160	336	15.16	3,238	2,945	2,697	9,144	2,355	1,046	923	145	1,506
											11,499													

PROJECT NO.	SHEET NO.
2023CPT.03.07.10711, Etc.	15

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	2738000000-E	2752000000-E	2759000000-N	2830000000-N	2845000000-N	6000000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E		
												REMOVE AND REPLACE 4" CONCRETE SIDEWALK (GENERIC)	2'-6" CURB & GUTTER, REMOVE & REPLACE (GENERIC)	REMOVE & REPLACE CURB RAMPS (GENERIC)	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER OR VALVE BOX	TEMPORARY SILT FENCE	STONE FOR EC CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	FERTILIZER FOR TEMPORARY SEEDING		
												MI	FT	SY	LF	EA	EA	EA	LF	TON	TON	ACR	LBS	TON
2023CPT.03.07.10711	Pender	1	US HIGHWAY 117 BUSINESS	FROM US 117 S. TO US 117 N. [MP 0.03- MP 1.99]	1	2	2WU	NO	NO	1.96	24	35	50	2	9	9	200	50	50	1.97	100	0.49		
TOTAL FOR MAP NO. 1												1.96		35	50	2	9	9	200	50	50	1.97	100	0.49
TOTAL FOR PROJ NO. 2023CPT.03.07.10711												1.96		35	50	2	9	9	200	50	50	1.97	100	0.49
2023CPT.03.07.10712	Pender	2	NC HIGHWAY 11	FROM BLADEN CO. LINE TO US HWY. 421 [MP 0.00 - MP 10.03]		2	2WU	NO	NO	10.03	22													
TOTAL FOR MAP NO. 2												10.03												
TOTAL FOR PROJ NO. 2023CPT.03.07.10712												10.03												
2023CPT.03.07.20711	Pender	3	SR 1571 (SCOTTS HILL LOOP ROAD)	FROM US HWY. 17 TO US HWY. 17 [MP 0.08 - MP 4.33]	2	2	2WU	NO	NO	4.25	22				1		425	106	106	4.25	213	1.06		
TOTAL FOR MAP NO. 3												4.25					1		425	106	106	4.25	213	1.06
2023CPT.03.07.20711	Pender	4	SR 1413 (PROGRESS DRIVE)	FROM SR 1412 (S. DICKERSON ST.) TO INDUSTRIAL DR. (NON-SYSTEM) [MP 0.00 - MP 0.47]	2	2	2WU	NO	NO	0.47	22					1	50	12	12	0.47	24	0.12		
TOTAL FOR MAP NO. 4												0.47					1	50	12	12	0.47	24	0.12	
2023CPT.03.07.20711	Pender	5	SR 1457 (PROGRESS DRIVE EXTENSION)	FROM SR 1412 (S. DICKERSON ST.) TO END OF MAINTENANCE [MP 0.00 - MP 0.21]	2	2	2WU	NO	NO	0.21	22						25	10	10	0.21	11	0.05		
TOTAL FOR MAP NO. 5												0.21						25	10	10	0.21	11	0.05	
2023CPT.03.07.20711	Pender	6	SR 1412 (SOUTH DICKERSON STREET)	FROM .02 MI. SOUTH OF E. HAYES ST. TO FREMONT ST. (NON SYSTEM) [MP 6.40 - MP 6.62]	3	2	2WU	NO	NO	0.22	22				1	1	6	10	10	0.22	11	0.06		
TOTAL FOR MAP NO. 6												0.22					1	1	6	10	10	0.22	11	0.06
2023CPT.03.07.20711	Pender	7	SR 1643 (HOLIDAY DRIVE)	FROM NC 210 HWY. TO SR 1644 (HOLIDAY DRIVE) [MP 0.00 - MP 0.38]	2	2	2WU	NO	NO	0.38	20						40	10	10	0.38	20	0.10		
TOTAL FOR MAP NO. 7												0.38						40	10	10	0.38	20	0.10	
2023CPT.03.07.20711	Pender	8	SR 1644 (HOLIDAY DRIVE)	FROM SR 1643 (HOLIDAY DR.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	2	2	2WU	NO	NO	0.08	20						20	10	10	0.08	5	0.02		
TOTAL FOR MAP NO. 8												0.08						20	10	10	0.08	5	0.02	
TOTAL FOR PROJ NO. 2023CPT.03.07.20711												5.61					2	2	566	158	158	5.61	284	1.41
2023CPT.03.07.20712	Pender	9	SR 1662 (LAFAYETTE STREET)	FROM SR 1660 (OAKVALE DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.77]	4	2	2WU	NO	NO	0.77	20													
TOTAL FOR MAP NO. 9												0.77												
2023CPT.03.07.20712	Pender	10	SR 1680 (LAKEVIEW DRIVE)	FROM SR 1679 (S. BELVEDERE DR.) TO SR 1681 (LAKEVIEW DR.) [MP 0.00 - MP 0.33]	4	2	2WU	NO	NO	0.33	24													
TOTAL FOR MAP NO. 10												0.33												
2023CPT.03.07.20712	Pender	11	SR 1681 (SOUNDVIEW DRIVE/LAKEVIEW DRIVE)	FROM SR 1679 (S. BELVEDERE DR.) TO SR 1680 (LAKEVIEW DR.) [MP 0.00 - MP 0.66]	4	2	2WU	NO	NO	0.66	24													
TOTAL FOR MAP NO. 11												0.66												
2023CPT.03.07.20712	Pender	12	SR 1709 (DOLPHIN CIRCLE)	FROM SR 1699 (FAIRWAY DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.14]	4	2	2WU	NO	NO	0.14	20													
TOTAL FOR MAP NO. 12												0.14												
TOTAL FOR PROJ NO. 2023CPT.03.07.20712												1.9												
GRAND TOTAL												19.5		35	50	2	11	11	766	208	208	7.58	384	1.90

PROJECT NO.	SHEET NO.
2023CPT.03.07.10711, Etc.	16

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	6036000000-E	6042000000-E	6071010000-E	6084000000-E	6090000000-E	6093000000-E	6117000000-N	7444000000-E	
												MATting FOR EROSION CONTROL	1/4" HARDWARE CLOTH	WATTLE	SEED & MULCHING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	RESPONSE FOR EROSION CONTROL	INDUCTIVE LOOP SAWCUT	
											MI	FT	SY	LF	LF	AC	LB	TON	EA	LF
2023CPT.03.07.10711	Pender	1	US HIGHWAY 117 BUSINESS	FROM US 117 S. TO US 117 N. [MP 0.03- MP 1.99]	1	2	2WU	NO	NO	1.96	24	20	100	30	1.91	100	0.49	4	1,750	
TOTAL FOR MAP NO. 1											1.96		20	100	30	1.91	100	0.49	4	1,750
TOTAL FOR PROJ NO. 2023CPT.03.07.10711											1.96		20	100	30	1.91	100	0.49	4	1,750
2023CPT.03.07.10712	Pender	2	NC HIGHWAY 11	FROM BLADEN CO. LINE TO US HWY. 421 [MP 0.00 - MP 10.03]		2	2WU	NO	NO	10.03	22									
TOTAL FOR MAP NO. 2											10.03									
TOTAL FOR PROJ NO. 2023CPT.03.07.10712											10.03									
2023CPT.03.07.20711	Pender	3	SR 1571 (SCOTTS HILL LOOP ROAD)	FROM US HWY. 17 TO US HWY. 17 [MP 0.08 - MP 4.33]	2	2	2WU	NO	NO	4.25	22	30	215	70	4.12	213	1.06	8		
TOTAL FOR MAP NO. 3											4.25		30	215	70	4.12	213	1.06	8	
2023CPT.03.07.20711	Pender	4	SR 1413 (PROGRESS DRIVE)	FROM SR 1412 (S. DICKERSON ST.) TO INDUSTRIAL DR. (NON-SYSTEM) [MP 0.00 - MP 0.47]	2	2	2WU	NO	NO	0.47	22	20	30	20	0.46	24	0.12	2		
TOTAL FOR MAP NO. 4											0.47		20	30	20	0.46	24	0.12	2	
2023CPT.03.07.20711	Pender	5	SR 1457 (PROGRESS DRIVE EXTENSION)	FROM SR 1412 (S. DICKERSON ST.) TO END OF MAINTENANCE [MP 0.00 - MP 0.21]	2	2	2WU	NO	NO	0.21	22	20	20	20	0.20	11	0.05	2		
TOTAL FOR MAP NO. 5											0.21		20	20	20	0.20	11	0.05	2	
2023CPT.03.07.20711	Pender	6	SR 1412 (SOUTH DICKERSON STREET)	FROM .02 MI. SOUTH OF E. HAYES ST. TO FREMONT ST. (NON SYSTEM) [MP 6.40 - MP 6.62]	3	2	2WU	NO	NO	0.22	22	20	20	20	0.21	11	0.06	2		
TOTAL FOR MAP NO. 6											0.22		20	20	20	0.21	11	0.06	2	
2023CPT.03.07.20711	Pender	7	SR 1643 (HOLIDAY DRIVE)	FROM NC 210 HWY. TO SR 1644 (HOLIDAY DRIVE) [MP 0.00 - MP 0.38]	2	2	2WU	NO	NO	0.38	20	20	20	20	0.37	20	0.10	2		
TOTAL FOR MAP NO. 7											0.38		20	20	20	0.37	20	0.10	2	
2023CPT.03.07.20711	Pender	8	SR 1644 (HOLIDAY DRIVE)	FROM SR 1643 (HOLIDAY DR.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	2	2	2WU	NO	NO	0.08	20	20	20	20	0.08	5	0.02	2		
TOTAL FOR MAP NO. 8											0.08		20	20	20	0.08	5	0.02	2	
TOTAL FOR PROJ NO. 2023CPT.03.07.20711											5.61		130	325	170	5.44	284	1.41	18	
2023CPT.03.07.20712	Pender	9	SR 1662 (LAFAYETTE STREET)	FROM SR 1660 (OAKVALE DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.77]	4	2	2WU	NO	NO	0.77	20									
TOTAL FOR MAP NO. 9											0.77									
2023CPT.03.07.20712	Pender	10	SR 1680 (LAKEVIEW DRIVE)	FROM SR 1679 (S. BELVEDERE DR.) TO SR 1681 (LAKEVIEW DR.) [MP 0.00 - MP 0.33]	4	2	2WU	NO	NO	0.33	24									
TOTAL FOR MAP NO. 10											0.33									
2023CPT.03.07.20712	Pender	11	SR 1681 (SOUNDVIEW DRIVE/LAKEVIEW DRIVE)	FROM SR 1679 (S. BELVEDERE DR.) TO SR 1680 (LAKEVIEW DR.) [MP 0.00 - MP 0.66]	4	2	2WU	NO	NO	0.66	24									
TOTAL FOR MAP NO. 11											0.66									
2023CPT.03.07.20712	Pender	12	SR 1709 (DOLPHIN CIRCLE)	FROM SR 1699 (FAIRWAY DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.14]	4	2	2WU	NO	NO	0.14	20									
TOTAL FOR MAP NO. 12											0.14									
TOTAL FOR PROJ NO. 2023CPT.03.07.20712											1.9									
GRAND TOTAL											19.5		150	425	200	7.35	384	1.90	22	1,750

PROJECT NO.	SHEET NO.
2023CPT.03.07.10711, Etc.	17

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4413000000-E	4457000000-N	4510000000-N	4685000000-E			4695000000-E	4709000000-E	4725000000-E					4810000000-E		4820000000-E	4835000000-E					
										WORK ZONE ADVANCE/GENERAL WARNING SIGNING	TEMPORARY TRAFFIC CONTROL	LAW ENFORCEMENT	4" X 90 M YELLOW THERMO	4" X 90 M WHITE THERMO	8" X 90 M WHITE THERMO	THERMOPLASTIC PAVEMENT MARKING LINES (24" X 90 MILS)	THERMO LT ARROW (90 MIL)	THERMO STR & RT ARROW (90 MIL)	THERMO RT ARROW (90 MIL)	THERMO STR & LT ARROW (90 MIL)	THERMO LT STR RT ARROW (90 MIL)	4" WHITE PAINT	4" YELLOW PAINT	8" YELLOW PAINT	24" WHITE PAINT						
									MI	FT	SF	LS	HR	LF	LF	LF	LF	EA	EA	EA	EA	EA	LF	LF	LF	LF					
2023CPT.03.07.10711	Pender	1	US HIGHWAY 117 BUSINESS	FROM US 117 S. TO US 117 N. [MP 0.03 - MP 1.99]	1	2	2WU	1.96	24	224	0.10	160	18,054	17,127	261	418	4	4	2	2	2										
TOTAL FOR MAP NO. 1									1.96		224	0.10	160	18,054	17,127	261	418	4	4	2	2	2									
TOTAL FOR PROJ NO. 2023CPT.03.07.10711									1.96		224	0.10	160	18,054	17,127	261	418	4	4	2	2	2									
													35,181			14															
2023CPT.03.07.10712	Pender	2	NC HIGHWAY 11	FROM BLADEN CO. LINE TO US HWY. 421 [MP 0.00 - MP 10.03]		2	2WU	10.03	22	1,136	0.43	80											70,000	70,000							
TOTAL FOR MAP NO. 2									10.03		1,136	0.43	80											70,000	70,000						
TOTAL FOR PROJ NO. 2023CPT.03.07.10712									10.03		1,136	0.43	80														140,000				
2023CPT.03.07.20711	Pender	3	SR 1571 (SCOTTS HILL LOOP ROAD)	FROM US HWY. 17 TO US HWY. 17 [MP 0.08 - MP 4.33]	2	2	2WU	4.25	22	480	0.18		34,298	45,730					2												
TOTAL FOR MAP NO. 3									4.25		480	0.18		34,298	45,730				2												
2023CPT.03.07.20711	Pender	4	SR 1413 (PROGRESS DRIVE)	FROM SR 1412 (S. DICKERSON ST.) TO INDUSTRIAL DR. (NON-SYSTEM) [MP 0.00 - MP 0.47]	2	2	2WU	0.47	22		0.03												10,114	7,445							
TOTAL FOR MAP NO. 4									0.47			0.03												10,114	7,445						
2023CPT.03.07.20711	Pender	5	SR 1457 (PROGRESS DRIVE EXTENSION)	FROM SR 1412 (S. DICKERSON ST.) TO END OF MAINTENANCE [MP 0.00 - MP 0.21]	2	2	2WU	0.21	22		0.03																				
TOTAL FOR MAP NO. 5									0.21			0.03																			
2023CPT.03.07.20711	Pender	6	SR 1412 (SOUTH DICKERSON STREET)	FROM .02 MI. SOUTH OF E. HAYES ST. TO FREMONT ST. (NON SYSTEM) [MP 6.40 - MP 6.62]	3	2	2WU	0.22	22		0.03												3,972	5,296	94	310					
TOTAL FOR MAP NO. 6									0.22			0.03												3,972	5,296	94	310				
2023CPT.03.07.20711	Pender	7	SR 1643 (HOLIDAY DRIVE)	FROM NC 210 HWY. TO SR 1644 (HOLIDAY DRIVE) [MP 0.00 - MP 0.38]	2	2	2WU	0.38	20		0.03																				
TOTAL FOR MAP NO. 7									0.38			0.03																			
2023CPT.03.07.20711	Pender	8	SR 1644 (HOLIDAY DRIVE)	FROM SR 1643 (HOLIDAY DR.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	2	2	2WU	0.08	20		0.03																				
TOTAL FOR MAP NO. 8									0.08			0.03																			
TOTAL FOR PROJ NO. 2023CPT.03.07.20711									5.61		480	0.33		34,298	45,730													14,086	12,741	94	310
													80,028			26,827															
2023CPT.03.07.20712	Pender	9	SR 1662 (LAFAYETTE STREET)	FROM SR 1660 (OAKVALE DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.77]	4	2	2WU	0.77	20		0.04																				
TOTAL FOR MAP NO. 9									0.77			0.04																			
2023CPT.03.07.20712	Pender	10	SR 1680 (LAKEVIEW DRIVE)	FROM SR 1679 (S. BELVEDERE DR.) TO SR 1681 (LAKEVIEW DR.) [MP 0.00 - MP 0.33]	4	2	2WU	0.33	24		0.03																				
TOTAL FOR MAP NO. 10									0.33			0.03																			
2023CPT.03.07.20712	Pender	11	SR 1681 (SOUNDVIEW DRIVE/LAKEVIEW DRIVE)	FROM SR 1679 (S. BELVEDERE DR.) TO SR 1680 (LAKEVIEW DR.) [MP 0.00 - MP 0.66]	4	2	2WU	0.66	24		0.04																				
TOTAL FOR MAP NO. 11									0.66			0.04																			
2023CPT.03.07.20712	Pender	12	SR 1709 (DOLPHIN CIRCLE)	FROM SR 1699 (FAIRWAY DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.14]	4	2	2WU	0.14	20		0.03																				
TOTAL FOR MAP NO. 12									0.14			0.03																			
TOTAL FOR PROJ NO. 2023CPT.03.07.20712									1.9			0.14																			
GRAND TOTAL									19.5		1,840	1.00	240	52,352	62,857	261	418	4	4	4	2	2		84,086	82,741	94	310				
													115,209			16															

PROJECT NO.	SHEET NO.
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THERMOPLASTIC AND PAINT QUANTITIES

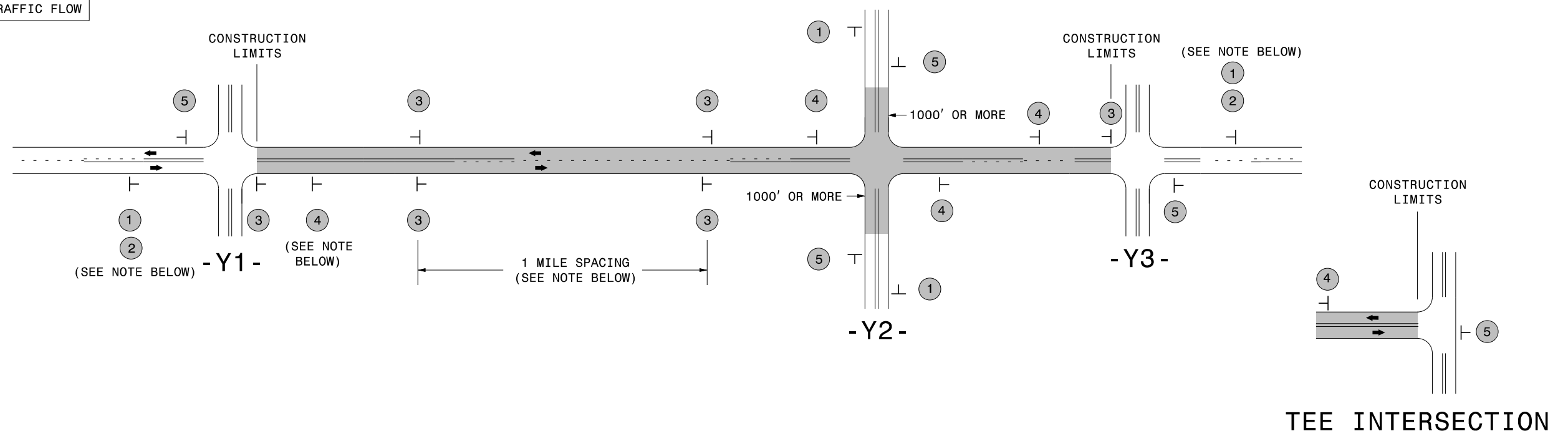
PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4840000000-N	4845000000-N	4905100000-N	4900000000-N				
										PAINT MSG SCHOOL	PAINT LT ARROW	PAINT RT ARROW	NON CAST IRON SNOWPLOWABLE MARKERS (Y/Y)	NON CAST IRON SNOWPLOWABLE MARKERS (C/R)	YELLOW & YELLOW MARKERS	CRYSTAL & RED MARKERS	
									EA	EA	EA	EA	EA	EA			
									MI	FT							
2023CPT.03.07.10711	Pender	1	US HIGHWAY 117 BUSINESS	FROM US 117 S. TO US 117 N. [MP 0.03 - MP 1.99]	1	2	2WU	1.96	24				130	24			
TOTAL FOR MAP NO. 1									1.96				130	24			
TOTAL FOR PROJ NO. 2023CPT.03.07.10711									1.96				130	24			
											154						
2023CPT.03.07.10712	Pender	2	NC HIGHWAY 11	FROM BLADEN CO. LINE TO US HWY. 421 [MP 0.00 - MP 10.03]		2	2WU	10.03	22								
TOTAL FOR MAP NO. 2									10.03								
TOTAL FOR PROJ NO. 2023CPT.03.07.10712									10.03								
2023CPT.03.07.20711	Pender	3	SR 1571 (SCOTTS HILL LOOP ROAD)	FROM US HWY. 17 TO US HWY. 17 [MP 0.08 - MP 4.33]	2	2	2WU	4.25	22						280	6	
TOTAL FOR MAP NO. 3									4.25					280	6		
2023CPT.03.07.20711	Pender	4	SR 1413 (PROGRESS DRIVE)	FROM SR 1412 (S. DICKERSON ST.) TO INDUSTRIAL DR. (NON-SYSTEM) [MP 0.00 - MP 0.47]	2	2	2WU	0.47	22						32		
TOTAL FOR MAP NO. 4									0.47					32			
2023CPT.03.07.20711	Pender	5	SR 1457 (PROGRESS DRIVE EXTENSION)	FROM SR 1412 (S. DICKERSON ST.) TO END OF MAINTENANCE [MP 0.00 - MP 0.21]	2	2	2WU	0.21	22								
TOTAL FOR MAP NO. 5									0.21								
2023CPT.03.07.20711	Pender	6	SR 1412 (SOUTH DICKERSON STREET)	FROM .02 MI. SOUTH OF E. HAYES ST. TO FREMONT ST. (NON SYSTEM) [MP 6.40 - MP 6.62]	3	2	2WU	0.22	22	12	6	2			35	5	
TOTAL FOR MAP NO. 6									0.22		12	6	2	35	5		
2023CPT.03.07.20711	Pender	7	SR 1643 (HOLIDAY DRIVE)	FROM NC 210 HWY. TO SR 1644 (HOLIDAY DRIVE) [MP 0.00 - MP 0.38]	2	2	2WU	0.38	20								
TOTAL FOR MAP NO. 7									0.38								
2023CPT.03.07.20711	Pender	8	SR 1644 (HOLIDAY DRIVE)	FROM SR 1643 (HOLIDAY DR.) TO END OF MAINTENANCE [MP 0.00 - MP 0.08]	2	2	2WU	0.08	20								
TOTAL FOR MAP NO. 8									0.08								
TOTAL FOR PROJ NO. 2023CPT.03.07.20711									5.61		12	6	2	347	11		
											8		358				
2023CPT.03.07.20712	Pender	9	SR 1662 (LAFAYETTE STREET)	FROM SR 1660 (OAKVALE DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.77]	4	2	2WU	0.77	20								
TOTAL FOR MAP NO. 9									0.77								
2023CPT.03.07.20712	Pender	10	SR 1680 (LAKEVIEW DRIVE)	FROM SR 1679 (S. BELVEDERE DR.) TO SR 1681 (LAKEVIEW DR.) [MP 0.00 - MP 0.33]	4	2	2WU	0.33	24								
TOTAL FOR MAP NO. 10									0.33								
2023CPT.03.07.20712	Pender	11	SR 1681 (SOUNDVIEW DRIVE/LAKEVIEW DRIVE)	FROM SR 1679 (S. BELVEDERE DR.) TO SR 1680 (LAKEVIEW DR.) [MP 0.00 - MP 0.66]	4	2	2WU	0.66	24								
TOTAL FOR MAP NO. 11									0.66								
2023CPT.03.07.20712	Pender	12	SR 1709 (DOLPHIN CIRCLE)	FROM SR 1699 (FAIRWAY DR.) TO CUL-DE-SAC [MP 0.00 - MP 0.14]	4	2	2WU	0.14	20								
TOTAL FOR MAP NO. 12									0.14								
TOTAL FOR PROJ NO. 2023CPT.03.07.20712									1.9								
GRAND TOTAL									19.5		12	6	2	130	24	347	11
											8		154		358		

SIGNING FOR RESURFACING PROJECTS

LEGEND

┆ STATIONARY SIGN

← DIRECTION OF TRAFFIC FLOW



SIGNING NOTES AND PLACEMENT PER DIRECTION	1	 <small>W20-1 48" X 48"</small>	PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.
	2	 <small>W7-3aP 24" X 18"</small>	#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)
	3	 <small>SP 13107 48" X 48"</small>	- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER. - AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.
	4	 <small>SP 13106 48" X 48"</small>	- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS. - DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS. - INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE. - FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH. - A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN. - FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.
	5	 <small>G20-2 A 48" X 24"</small>	PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.

NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:

- 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE
- 2) SUBDIVISION ROADS
- 3) DEAD END ROADS

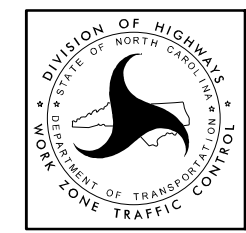
WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.

 <small>W20-1 48" X 48"</small> PLACED 500' IN ADVANCE OF FLAGGER.	 <small>W20-7 A 48" X 48"</small> PLACED 250' IN ADVANCE OF FLAGGER.
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THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

MAPS LESS THAN 2 MILES

FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

5/15/2017 S:\TUXWZTC\Resurfacing\2L2W & AST Resurfacing Details\Resurfacing_AdvWarn_2Ln.dgn User:kedais